I'm not a bot

Python is a high level, interpreted and general-purpose dynamic programming language that focuses on code readability. It is used in many organizations as it supports multiple programming paradigms. It also performs automatic memory management. It is one of the world’s most popular, in-demand programming languages. This is for many reasons: It’s easy to learn. It’s super versatile. It has a huge range of modules and libraries. The fact that it can support the vast majority of third-party modules, it acts as a cherry on the cake. There are some quite interesting modules that are considered worthy of sharing with others. In this article, some of the modules are discussed which will come in handy no matter if you are a beginner or a professional. As most of them are third party modules, they don't come in-built with Python and are needed to install. Installation of third party modules can be seen here. NOTE: Some of these code may not work in Python 2. Hence I strongly recommend you to try them in Python 3. This module was created to enable cross-platform copy-pasting in Python which was earlier absent. The pyperclip module has copy() and paste() functions that can send text to and receive text from your computer's clipboard. Sending the output of your program to the clipboard will make it easy to paste it on an email, word processor, or some other software. Pyperclip does not come with Python. To install it, follow the directions for installing third party modules. After installing the module, enter the following into IDE: Python3 # Python program to # demonstrate pyperclip module # This will import pyperclip import pyperclip pyperclip.copy("Hello world !") pyperclip.paste() pyperclip.copy("Isn't pyperclip interesting?") pyperclip.paste() Of course, if something outside your program changes the clipboard contents, the paste() function will return it. For example, if this sentence is copied to the clipboard and then paste() is called, the output would look like this: 'For example, if this sentence is copied to the clipboard and then paste() is called, the output would look like this:' Emojis have become a way to express and to enhance simple boring texts. Now, the same gems can be used in Python programs too. Yes, really! You now have the ultimate power to use emojis in your code. For this, emoji module is needed to be installed. In terminal. Use: pip install emoji To upgrade to the latest packages of emojis. Here's how it can be done: pip install emoji --upgrade Python3 from emoji import emojize print(emojize(":thumbs_up:")) Use the emoji cheat sheet to find your favorite emoji. Alternatively, encode() function can be used from emojis module to convert Unicode to emojis: Python3 import emojis emojified = emojis.encode("There is a :snake: in my boot !") print(emojified) Hope you try it! Stuck on a coding problem? Wish to visit StackOverflow without leaving the terminal? With howdoi, you can do it! Install the howdoi module by: pip install howdoi Or install from Python by: python setup.py install Ask whatever question you have and it will try it's best to answer it. Python3 howdoi make trees in Python howdoi commit in git From now, you don't need to open those browsers for a quick search and get those hefty amounts of ads and distractions. Just howdoi! Python3 1== howdoi use Howdoi in Python As if howdoi wasn't enough, we can now import the entire Wikipedia! Yes, We can now import Wikipedia in Python using Wikipedia module. Use the incessant flow of knowledge with Python for daily needs. Install it as: pip install wikipedia And use it as: Python3 import wikipedia result = wikipedia.page("GeeksforGeeks") print(result.summary) If you wish to get a particular number of sentences from the summary, just pass that as an argument to the summary() function: Python3 import wikipedia print(wikipedia.summary("Debugging", sentences = 2)) This can create new types in a fully dynamic way. It's the same as creating a class but something new which you can show to your friends. Python3 # Python program to # create new type object # Creates a new type object NewType = type("NewType", (object, ), {"attr": "hello newtype"}) New = NewType() # Print the type of object print(type(New)) # Print the attribute of object print(New.attr) Output: hello newtype The above code is same as: Python3 # Creates a class class NewType: attr = "hello newtype" # Initialize an object New = NewType() # Print the type of object print(type(New)) # Print the attribute of object print(New.attr) Output: hello newtype Probably not the best module but still worth a try! Ever wondered what python does under the hood? With the standard library module dis, you can look easily. Python3 # This will import # dis module import dis def test(number): return (str(number)+str(number)) def newFunc(string): print("Hello", string) # This will display the # disassembly of test(): dis.dis(test) # This will display the # disassembly of newFunc() dis.dis(newFunc) Output: Result: 8 0 LOAD_GLOBAL 0 (str) 3 LOAD_FAST 0 (number) 6 CALL_FUNCTION 1 (1 positional, 0 keyword pair) 9 LOAD_GLOBAL 0 (str) 12 LOAD_FAST 0 (number) 15 CALL_FUNCTION 1 (1 positional, 0 keyword pair) 18 BINARY_ADD 19 RETURN_VALUE 3 0 LOAD_GLOBAL 0 (print) 3 LOAD_CONST 1 ('Hello') 6 LOAD_FAST 0 (string) 9 CALL_FUNCTION 2 (2 positional, 0 keyword pair) 12 POP_TOP 13 LOAD_CONST 0 (None) 16 RETURN_VALUE That's overwhelming and also amazing! The reason this module is here is because this is quite fun! It's basically an easter egg in Python 3 which is used in Google App Engines. It was added to Google App Engines just as a medium to amuse the users. Install it with: pip install antigravity And then type this in your IDE to see the magic: Python3 1== This opens up a page in your web browser which contains a comical abstract of Python developed for your delight. Congratulations! You know have the ability to fly or for now the ability to visit this link . You may have used the sys module before but did you know you could exit your program early using it? We can cause the program to terminate by calling the sys.exit() function. Since this function is in the sys module, firstly, the sys module should be imported. This is not a third party module and comes built-in with Python so there is no need to install it. Python3 # This will import # sys module import sys while True: print("Type 'exit' to exit") response = input() if response == "exit": print("Exiting the program") sys.exit() print("You typed", response) If the input is : "Geeky" "GeeksforGeeks" "exit" The output will be : Type 'exit' to exit You typed Geeky Type 'exit' to exit You typed GeeksforGeeks Type 'exit' to exit Exiting the program Urllib module is the URL handling module for python. It is used to fetch URLs (Uniform Resource Locators). It uses the urlopen function and is able to fetch URLs using a variety of different protocols. Urllib is a package that collects several modules for working with URLs, such as: urllib.request for opening and reading. urllib.parse for parsing URLs urllib.error for the exceptions raised urllib.robotparser for parsing robot.txt files Python3 1== # This will import urlopen # class from urllib module from urllib.request import urlopen page = urlopen(" ) print(page.headers) The output would be: Server: Apache Strict-Transport-Security: max-age=3600; includeSubDomains Access-Control-Allow-Credentials: true X-Frame-Options: DENY X-Content-Type-Options: nosniff Content-Type: text/html; charset=UTF-8 X-Akamai-Transformed: 9 - 0 pmb=mRUM,3 Vary: Accept-Encoding Cache-Control: must-revalidate, max-age=3, s-maxage=21600 Date: Fri, 04 Oct 2019 04:57:37 GMT Transfer-Encoding: chunked Connection: close Connection: Transfer-Encoding Server-Timing: cdn-cache; desc=HIT Server-Timing: edge; dur=1 You can also see the coding of the website by using read() function: Python3 # This will import urlopen # class from urllib module from urllib.request import urlopen page=urlopen(" ) # Fetches the code # of the web page content = page.read() print(content) Output: Yes, a turtle can be imported. Don't worry it's not slow. Turtle is a Python module to draw. It has a huge application and a number of methods which you can learn about in here. But with just a few basics, pretty cool stuff can be done. This module comes built-in with Python so there is no need to install it. Python3 1== # This will import turtle module import turtle myTurtle = turtle.Turtle() myWin = turtle.Screen() # Turtle to draw a spiral def drawSpiral(myTurtle, linelen): myTurtle.forward(linelen) myTurtle.right(90) drawSpiral(myTurtle, linelen-10) drawSpiral(myTurtle, 80) myWin.exitonclick() Output: How can financial brands set themselves apart through visual storytelling? Our experts explain how.Learn MoreThe Motorsport Images Collections captures events from 1895 to today’s most recent coverage.Discover The CollectionCurated, compelling, and worth your time. Explore our latest gallery of Editors’ Picks.Browse Editors' FavoritesHow can financial brands set themselves apart through visual storytelling? Our experts explain how.Learn MoreThe Motorsport Images Collections captures events from 1895 to today’s most recent coverage.Discover The CollectionCurated, compelling, and worth your time. Explore our latest gallery of Editors’ Picks.Browse Editors' FavoritesHow can financial brands set themselves apart through visual storytelling? Our experts explain how.Learn MoreThe Motorsport Images Collections captures events from 1895 to today’s most recent coverage.Discover The CollectionCurated, compelling, and worth your time. Explore our latest gallery of Editors’ Picks.Browse Editors' Favorites Python is a popular programming language that is often hailed for its simplicity and versatility. It is widely used by individuals and organizations to develop a wide range of applications, from web development to machine learning. One of the great advantages of Python is that it is open-source, meaning that it is free to use and distribute. However, when considering the cost of using Python, it’s important to look beyond the initial price tag and consider other factors such as development, maintenance, and training costs. In terms of the initial cost, Python is completely free. This means that anyone can download and use Python without any cost. Whether you are an individual developer or a company, you can freely use Python for both personal and commercial purposes. This makes Python an attractive choice for individuals and businesses on a budget, as it eliminates the need to invest in expensive licenses or subscriptions. However, it’s important to note that while the Python language itself is free, there may still be costs associated with using Python for certain purposes. For example, if you are developing a web application using Python, you may need to pay for web hosting services or a domain name. Similarly, if you are developing a mobile application using Python, you may need to pay for developer accounts on platforms such as Apple’s App Store or Google Play. In addition to the initial cost, there are also other factors to consider when determining the overall cost of using Python. One such factor is the cost of development. While Python is known for its simplicity and ease of use, developing complex applications still requires skilled programmers. The cost of hiring or training developers proficient in Python can vary depending on the location and experience level of the individuals. According to a survey conducted by Stack Overflow in 2020, Python was the fourth most popular programming language among professional developers. This popularity and demand for Python developers can affect the cost of hiring knowledgeable professionals. However, the wide user community and extensive online resources for Python make it relatively easy to find developers with Python skills at various price points. Another factor to consider is the cost of maintenance. Like any software, Python applications require regular updates and maintenance to ensure they remain secure and compatible with new technologies. While the Python language itself is actively maintained by a community of volunteers, there may be costs associated with maintaining and updating third-party libraries or frameworks used in Python projects. Lastly, the cost of training should also be taken into account. If your organization is transitioning to Python or if you are an individual looking to learn Python, there may be costs associated with training materials, courses, or certifications. However, Python’s popularity has resulted in a wealth of free and low-cost learning resources, including online tutorials, documentation, and community forums. In conclusion, while the Python language itself is free to use, there may still be costs associated with using Python for specific purposes. These costs can vary depending on factors such as development, maintenance, and training. However, Python’s popularity, vast community, and extensive online resources make it a cost-effective choice for many individuals and organizations. Explore the various applications of Python, a versatile, open-source programming language, in fields ranging from data science, AI, web development, game development to enterprise applications. With a predicted average growth rate of 13% for web developers between 2020 and 2030, Python is a crucial tool for not only web developers but also data scientists, software engineers, and business analysis professionals. Key Insights Python is an open-source programming language widely used in data science, AI & Machine Learning, web development, game development, and enterprise applications. Python's popularity is growing fast, with a predicted average growth rate for web developers of 13% between 2020 and 2030. Learning Python involves some cost, mostly external factors like upgrading hardware, attending bootcamps, or obtaining professional certifications. Noble Desktop offers a range of classes and certification programs, including Python Developer Certificate and Data Science Certificate programs, with prices ranging from $3,495 to $3,995. Python is an essential tool for many professions, including Python Developers, Data Scientists, Software Engineers, Financial Analysts, and Cybersecurity Analysts. Python's status as an open-source language, combined with a large support community, makes it a desirable and accessible learning option, potentially offering a high return on investment for those seeking to upgrade their skills. Python is an open-source programming language, which means it’s completely free to use: you can download Python and its frameworks and libraries at no charge. You can also use free IDE and code editors with Python, like Visual Studio code (vs.), PyCharm, and Atom.Costs associated with learning Python involve mostly external factors, like upgrading a computer, taking a bootcamp, or obtaining a professional certification. If your computer is over five years old, consider upgrading even if it’s not crucial for Python. Most CPUs will run Python, but a higher resolution screen will allow you to display more lines of code.Overall, however, your best bet is to invest in high-level training, like Python bootcamp or certificate.What is Python?Python is one of the fastest-growing programming languages on the planet. Data Scientists, Web Developers, and other tech professionals use Python for a range of tasks—from building websites to data analysis, automation, and machine learning. Like Java and Ruby, Python is mainly an object-oriented programming language (OOP), which means it organizes around data (objects) instead of functions or logic.Thanks to its straightforward syntax, adaptability, and the urgent need for Python skills in today’s job market, this essential language ranks as the number one choice for those learning to code. The U.S. Bureau of Labor Statistics predicts the average growth rate for Web Developers will be 13% between 2020 and 2030, and many of these positions demand Python. Other fields requiring Python include cybersecurity, software engineering, and business analysis.Read more about what Python is and why you should learn it.What Can You Do with Python?Python is a versatile language with a host of applications, but the most well-known include: Data Science—Data science extends to numerous industries, and using Python to understand data is paramount. Python libraries like NumPy and Matplotlib enable Data Scientists and other professionals to use visualization to gain insights into data. Additional top Python libraries include TensorFlow, SciPy, Pandas, and scikit-learn. Artificial Intelligence (AI) & Machine Learning (ML)—Machine Learning Engineers and Architects use Python to build models. At the same time, AI Engineers and Architects may need this essential programming language for everything from assessing AI solutions to advanced automation. Web Development—The use of Python in web development goes back to its beginnings. Frameworks like Django and Flask have famously provided web development for household name companies like Instagram, Dropbox, and Pinterest. Tech pros, including Developers, report that Python is easy to integrate with other languages like C/C++ and Java. Other top frameworks include Bottle, CherryPy, and Dash. Game Development—Frameworks for game development include Pygame, PyKyra, and Panda3D, but there are numerous others. Python continues to support the gaming industry in meaningful ways. Enterprise Applications—Enterprise-grade apps built with Python include leading technology stacks like Netflix, Microsoft, and Spotify. In-Depth Review of the CostAs a top programming language, Python continues to grow across the world. Its status as an open-source language makes it accessible to learn from anywhere, and a large support community has grown around it. Python’s many libraries and frameworks can be accessed easily, encouraging programmers to explore them. And the easy availability of free IDE and code editors makes Python a desirable alternative.You most likely won’t need to upgrade your hardware unless you’re running a machine over five years old. A screen with 4,000 resolution can provide optimum viewing, but it’s not crucial. Python and its libraries will work on most desktops and even laptops.The true investment in Python comes from taking a formal training program, either in-person or live online. Before diving in, however, you can avail yourself of some free articles and tutorials online to help orient you in the Python universe.Check out free recorded classes like Noble Desktop’s Intro to Python Fundamentals seminar. Here, you’ll learn more about how to get started, including how to install Python and even write code. This seminar is a perfect way to prepare for investing in a full-length course like the Python Developer Certificate or Data Science Certificate programs, which run from $3,495 to $3,995.Why Learn Python?One of the world's most popular open-source programming languages, Python remains essential for nearly every industry, including public and private sector roles. Academia, electronics, government, manufacturing, and media are among the top areas where Python reigns. Python is an in-demand skill not only for Python Developers but also for Data Scientists, Software Engineers, Financial Analysts, and Cybersecurity Analysts.Learning about Python fundamentals like scripts, modules, and variables prepares you for learning frameworks like Django and Flask, and libraries like NumPy, Pandas, and Matplotlib. As companies become more data-driven, the need for data visualization tools and the move to artificial intelligence and machine learning make Python one of the most attractive, flexible tools.Read more about why you should learn Python.Free Introductory Python Course OnlineWhether you’re not ready to commit to a full-length bootcamp or certificate program or seeking an overview of Python before diving in, you might want to start learning about Python for free online. In Noble Desktop’s free Intro to Python Fundamentals seminar, you’ll learn how to install this popular programming language, how to get started, and essential related subjects like the Anaconda platform, Jupyter Notebook, and how to run Python in Terminal. Once you have that foundation under your belt, you may be able to take the next step with a Data Science Certificate or Python Developer Certificate.Other free online courses include Computer Science: Programming with a Purpose from Princeton University; Data Processing Using Python from Nanjing University; and the University of Toronto’s Learn to Program: The Fundamentals.Read about more free Python videos and online tutorials.Learn Python with Hands-on Training at Noble DesktopNoble Desktop offers multiple ways to learn Python, both in-person and online through teleconferencing. They provide Python training as an essential component of areas like data science and analytics, FinTech, cybersecurity, and web development. Their Python Programming Bootcamp offers hands-on Python training in an immersive environment. Beginners learn Python fundamentals in this 30-hour bootcamp, where participants develop project-based coding portfolios. Graduates receive a verified Certificate of Completion and can retake the course for up to a year at no additional charge.Students can save by taking the Python Programming Bootcamp as part of Noble’s Python Developer Certificate program. The curriculum for this certificate includes a 60-hour unit on Python Web Development with Django. In this intensive course, you’ll learn about URL dispatchers and automation, along with GitHub and SQL. Attendees should have some experience with HTML and CSS before enrolling.Additional courses featuring Python include Noble Desktop’s Python for Data Science Bootcamp, FinTech Bootcamp, and Data Science Certificate program. Students planning careers in data science, data analytics, cybersecurity, or financial analysis should consider enrolling in one of these programs to get comprehensive Python training. Explore the various applications of Python, a versatile, open-source programming language, in fields ranging from data science, AI, web development, game development to enterprise applications. With a predicted average growth rate of 13% for web developers between 2020 and 2030, Python is a crucial tool for not only web developers but also data scientists, software engineers, and business analysis professionals. Key Insights Python is an open-source programming language widely used in data science, AI & Machine Learning, web development, game development, and enterprise applications. Python's popularity is growing fast, with a predicted average growth rate for web developers of 13% between 2020 and 2030. 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Their Python Programming Bootcamp offers hands-on Python training in an immersive environment. Beginners learn Python fundamentals in this 30-hour bootcamp, where participants develop project-based coding portfolios. Graduates receive a verified Certificate of Completion and can retake the course for up to a year at no additional charge.Students can save by taking the Python Programming Bootcamp as part of Noble’s Python Developer Certificate program. The curriculum for this certificate includes a 60-hour unit on Python Web Development with Django. In this intensive course, you’ll learn about URL dispatchers and automation, along with GitHub and SQL. Attendees should have some experience with HTML and CSS before enrolling.Additional courses featuring Python include Noble Desktop’s Python for Data Science Bootcamp, FinTech Bootcamp, and Data Science Certificate program. Students planning careers in data science, data analytics, cybersecurity, or financial analysis should consider enrolling in one of these programs to get comprehensive Python training. Despite being among the oldest programming languages, Python remains a popular programming language in 2021, twenty years after its creation. If you look at the statistics of the last five years, you can see that it is one of the five most-demanded programming languages, with a 14.8% growth in popularity. Among the main competitors are Java and C ++, but they are inferior to Python by more than 10% in market share. You truly cannot find a more universal language. But what exactly makes Python so enticing for both programmers and employers? What affects the cost of Python software? And how to make the most of the hiring process? We have collected all possible information on this issue and are ready to tell you. If after reading the blogpost you still have questions, we are here to answer any of your questions anytime – just fill out the form and our consultants will contact you as soon as possible! Without a doubt, the higher demand for a particular programming language raises the app developer hourly rate. And when it comes to Python programming price, it’s greatly affected by its popularity. The reason for that is quite simple – this language is capable of performing a wide range of tasks, moreover, it can be used on all popular platforms (except, perhaps, the segment of mobile applications). Python is incredibly flexible, with huge support through frameworks and libraries, has interpreters for all kinds of operating systems, as well as an open source license, and tons of third-party tools. One can endlessly list all the advantages of this language. Check Python developers availability The easy learning curve can be viewed as both a blessing and a curse. Yes, it helps to maintain a virtually constant influx of new coders to the market. However, this is precisely what makes experience and skills matter. And this is where the Python web app development cost can build up. And since Python can be used to code all kinds of web applications, those developers who have a wide and successful experience in Python app development earn much more than newbies who have one or two small projects on their account. The cost to build a web app with Python depends on the end goal. Building a web app is a very dynamic process that rarely comes to life perfectly according to plan. Some things can change in the course of the work – and that’s okay. The rule is quite simple. The more features and functionality you want to add to your project, the higher the cost of Python software would be. Ongoing maintenance tasks such as bug fixes and updates can also add to the overall cost. Python is the ideal language for multi-purpose programming solutions: its capabilities include everything from creating file directories to visualizing interactive data, acting as a server-side of a web app, creating APIs, or doing a qualitative and quantitative analysis of big data. Its simple yet elegant syntax makes almost every project idea attainable. According to the IT-related training platform Edureka, every Python programmer should master the following skills: Be well-versed in core Python Have a good hand on web frameworks like Django or Flask Knowing the basics of Data Science and Deep Learning Some expertise in AI and Machine Learning Need to understand a Multi-purpose architecture Every additional skill that a potential employee has – be it an experience working with AI, Machine Learning, or a profound familiarity with JavaScript/HTML – can add up to the final cost to build a web app with Python. For example, on Upwork, there are hundreds of applications of American developers ranging from $20 to $150 per hour. However, if we were to narrow it down to Python + Machine Learning + AI, the price window will shrink to $40 – $150. Adding Data Science to the filter will shorten it even more. At this point, we have to make a small yet very important caveat: yes, hard skills are much more relevant, but soft skills should not be underestimated. How conscientiously the developer performs the work, how responsibly he approaches the tasks, how well he knows how to work in a team – these factors are all just as important as his ability to code in several languages. That’s why it’s essential to check these things while still in the talks process and note how well the coder fits in your team. A good deal of the Python programming language cost depends on the demand for programmers: in developed countries, it is traditionally much higher than in developing countries. The talent shortage pushes hourly rates up every year. If we compare Central European countries, for example, Albania is on the top of the list alongside Croatia, being one of the most developer-dense countries in the region. More than 150k of available skilled programmers – that is a huge talent pool available to outsource and outstaff, meanwhile in the US and the EU the density of experts is higher, but all good ones are already working for big names and charging lots of money.y of developers is higher, but all good ones are already working for big names and charging lots of money. The Python programming language cost also depends on the prices of living in the country. Residents of higher-income countries are expected to raise rates to meet their basic needs. For comparison, according to the index of living standards, the United States is in 21st place (the index value is 72.4), Germany is 30 (66.3), China is 78 (39), and Ukraine is 121 (30). And since lower rates can be set to ensure a high standard of living in low-income countries, experts from these countries choose this competitive advantage. Seasoned devs with a high success rate in the US on average are $80-$110 per hour, according to Upwork. The same conditions were applied to Albanian coders and the hourly rate is drastically different – $35-$45 per hour. Hiring remote developers is the perfect option for those who anticipate a long web app development with tons of features and integrations, want to save up the budget, or hire a developer of a higher rank but for a less price. At ProCoders we do exactly that – help people wisely allocate resources and employ a qualified staff without hurting the pockets. A Python programming language cost can significantly vary depending on the way you decide to hire. Today there are three options for hiring a programmer: looking for a freelancer, contacting a specialized agency, or outsourcing/outstaffing, and the difference between them comes down to not only the waste of time but also the waste of money. The general disposition is as follows: freelancers tend to cost less, however, you spend a ton of time looking for a qualified programmer and even more time on interviews, hiring procedures, and onboarding. According to the Society for Human Resource Management, hiring procedures alone (the search process omitted) can cost $4,129. That’s why the cost of Python web app development by a freelancer is greatly underestimated. The hiring agency is an option for people with technical knowledge, but no time. The search agency selects the ideal options for the parameters you specified. That is if you still have little idea of what skills a perfect Python programmer should have, contacting such agencies is not very effective. A completely different matter is agencies for outsourcing and outstaffing. Outstaffing companies can select from one programmer to a whole team in a short time, depending on the profile of the specialist that you need. Such companies work more closely with programmers and the IT industry in general, so they can also provide consulting assistance, which is especially important for non-technical CEOs. How much does Python software price when outstaffing? An hourly rate plus the markup of the company. However, you are sure you are getting a seasoned developer with years of relevant experience and free of hiring and onboarding hassles. If you want to find developers for your Python app, you can consult our specialists at ProCoders and we will hand-pick you perfect candidates so that you can choose the one that fits all of your current needs. Hire JavaScript Developers The exact cost to build a web application with Python is not easy to define. The safest choice would be to multiply the developer’s hourly rate by the number of hours it would take to finish the project, albeit it’s almost impossible to correctly figure out the exact number. But with salaries, the situation is much simpler. It would be most reasonable to consider the issue of pricing from a geographic point of view since we have already found out that the Python app development cost in different regions can vary significantly. North America is by far the most popular region for IT development, led by the United States and its innovative approaches to business. This explains why Python devs are more in demand in North America than in any other country in the world. Now, the salaries may be different depending on the skills and experience of the coder. Judging by the data provided by Arc, a middle Python developer’s hourly rate lingers around $80, however, a median hourly rate for a senior coder is much higher which only further confirms the fact that salary is directly dependent on experience. How much does Python software cost in other countries? Fun fact, the Python application cost of middle devs in Western Europe (second popular region) doesn’t differ much from the salary of seniors, in contrast to the United States, where the gap is quite large. The cost of Python application development from the standpoint of a middle developer is within a $61-$80 range, while senior devs charge $75-$80. There are regions that pride themselves on their outsourcing capabilities and use their IT coders saturation as their competitive advantage on the international market. Namely Latin America, Central Europe, and Eastern Asia. In Latin America, for instance, the Python programming cost tends to occupy a lower position in comparison with the developed countries of North America and Europe. Now, the Arc shows the Python web app development cost for the entire Asia-Pacific region, which overestimates the final price. If we look at the countries separately, we can see that the average rate in India will be $15-$20, and in China, it ranges from $30 to $35. However, from the outsourcing countries, few can provide such high-quality services at a fairly liberal price as the region of Central Europe). When talking about the Python programming language, python cost plays an important role as it can influence the quality and the overall time of the development. That’s why a lot of CEOs opt for hiring Central European experts since they represent a healthy balance between agreeable prices and an outstanding quality of the code. The Python programming cost of middle developers balances between $30-$40, and seniors charge about $50. And the popularity of this programming language is growing every year, meaning you will always be able to find a skilled, seasoned pro. Imagine, the same amount of finances that can hire an American middle programmer can hire a European senior with more experience and more successful apps behind his back. European developers are huge savings in money, nerves, and time. There is no need to stand behind them every second and control the process of writing code. Its quality is not inferior to Western standards. Python offers numerous benefits for web development, making it a popular choice among developers. Some of the key benefits include: Rapid Development: Python’s syntax and nature make it ideal for rapid prototyping and development. This allows Python programmers to quickly turn ideas into functional web applications. Easy to Learn: Python has a relatively low barrier to entry, making it easy for new developers to learn and start building web applications. Its readable and straightforward syntax helps in reducing the learning curve. Large Community: Python has a vast and active community, which means there are many materials available for learning and troubleshooting. This community support is invaluable for both beginners and seasoned experts. Extensive Libraries: Python has a wide range of libraries and frameworks that make web development easier and more efficient. Popular frameworks like Django and Flask provide robust tools for building scalable web applications. Cross-Platform: Python can run on multiple platforms, including Windows, macOS, and Linux. This cross-platform capability ensures that Python web applications can be developed and deployed across different operating systems without compatibility issues. For more than ten years, we at ProCoders have been doing staff augmentation and have dozens of successful digital projects in many different spheres that our developers have helped to create. We have worked with companies related to medicine, fitness, networking, logistics – quite an extensive portfolio. Although the more detailed development cost will depend on your specific preferences, we can provide a summary table of approximate hourly rates for dedicated developers here at ProCoders for python web development. Hourly rate Monthly rate Annual rate Middle $31 – $34 $5000 – $5500 $60 000 – $66 000 Senor $44 – $50 $7000 – $8000 $84 000 – $96 000 For this sum, you will get a qualified specialist for your team, while being able to significantly reduce the costs of HR and onboarding (our partners at Frontegg admitted that working with us has reduced more than 38% of the human labor costs) and organizational costs are completely eliminated (we provide workplace and equipment). It’s by long chalk less than the pay rate of American developers (AxisPoint were able to save 35% over hiring US-based coders) or British ones (and SDCN reduced their costs by 50% by hiring with ProCoders!), and therefore more beneficial. For non-technical CEOs, we can provide our expertise backed by years of experience by doing thorough research on your part, mapping the development of your app. If you are a technical CEO, you’ll appreciate delegating a labor-intensive task like this to the experts, while concentrating your efforts on the core activity of your company. We can save your time and resources so that you keep thriving! Recommended: How to Reduce Software Development Cost? According to GitHub, Python ranks second among all programming languages, being one of the simplest and most effective tools for Python web development. It is not surprising that it’s chosen by a huge number of people to implement their own projects, and at the same time, the question arises: how much does Python app price? We found that factors such as the developer’s location, as well as his experience and skills, influence the price the most. At the same time, programmers in the USA and Western Europe are very difficult to find, and they are much more expensive than their equally talented colleagues from, say, Central Europe. Therefore, if you are thinking about hiring a coder in Python, now you can make an informed decision – whether you are going to go remote or not. At ProCoders, we are ready to answer any of your questions about Python development, as well as find a skilled seasoned programmer to join your team.tions about Python development, as well as find a skilled seasoned programmer to join your team. The standard price is calculated as the multiplication of the developer’s hourly rate and the number of hours spent on the project (with the sum of the salaries of all participating programmers). The duration depends entirely on the composition of the team and the complexity of the project itself, so it is better to discuss this issue with the experts themselves. The first step is to choose the hiring model that suits you. You can find a freelancer – it will be cheaper, but it will take a lot of time; hiring a recruiting agency will save a lot of time, but you have to pay attention to technical expertise, which is not very convenient for non-technical CEOs; or use the services of outsourcing companies – the Python app cost will be slightly more expensive due to the company’s markup, but the quality will be at a high level, plus you can save time. To a large extent, the cost of development depends on the location of the programmer: in countries like the US or the EU, the hourly rate is much higher than in China or India due to market saturation. The leading region in terms of price/quality ratio is Central Europe. There, you can hire a coder for an average hourly rate of $40. Also, the price depends on the skills and previous experience of the programmer – the more experience, the higher the hourly rate. At the same time, it is obvious that seniors earn more than middle programmers. Among the most popular programming languages, Python offers a vast array of libraries suitable for diverse applications. Despite its longevity, Python remains highly relevant today. When considering Python web development services, understanding the associated costs is essential. Over the past five years, Python has consistently ranked among the top five most sought-after programming languages. Python-based web application development has witnessed substantial growth. While Java and C++ are prominent competitors, Python holds a market share advantage of over 10%. There is no language more widely understood. Why is Python an exceptional choice for creating Python-based web applications? What is the price of Python software? How much does developing a web application in Python cost? What factors influence the price of Python application development? If any of these questions intrigue you, you should delve into this post. Python web app development typically ranges in cost from $12,000 to $25,000, contingent upon the specific type of application and the extent of development required. Moreover, continue reading this post to gain a deeper understanding of the cost and related aspects. Python empowers us to rapidly craft maintainable features with minimal developers. Undoubtedly, developer hourly rates climb when a programming language is in high demand. However, dedicated app developers can leverage Python’s wealth of online tutorials and guides. Among the multitude of programming languages, each with its own strengths and weaknesses, Python stands out as a preferred choice for web development thanks to its exceptional features. Here are the top 8 reasons: Python’s primary advantage lies in its accessibility for practically anyone. Its straightforward syntax eliminates complex coding logic. Additionally, it boasts a variety of programming constructs, enhancing its popularity among coders. Regardless of your experience level, comprehensive information on all essential modules is readily available online. Python is renowned for its effectiveness in scripting and web development. Its ability to expedite the creation of functional applications makes it a valuable tool. The high-level programming features it provides eliminate the need for in-depth knowledge of its inner workings. Since numerous major corporations utilize Python as their primary development platform, you’ll encounter a vast pool of individuals ready to assist with any project-related challenges or concerns. The most significant benefit is the ability to locate online experts who can customize code to your specific needs, negating the need for direct recruitment. Python’s open-source nature guarantees ongoing updates and modifications by programmers. The extensive community contributes significant updates and innovative features that can facilitate web application development. Python, as an interpreted language, exposes errors more readily compared to less popular languages, minimizing security vulnerabilities. Furthermore, its avoidance of pointer arithmetic eliminates the potential for memory manipulation, ensuring the absence of memory leaks or corruption issues. If you plan on launching a prototype early, Python’s seamless integration with languages like C and C++ can save you money. It can also be used to create web service APIs, enabling rapid application testing. Python boasts a plethora of frameworks and libraries that accelerate Python application development. Flask and Django, the two most popular Python frameworks, are renowned for their ability to expedite the development process. As a result, you can anticipate a well-developed and efficient Python application. One of the primary arguments for using Python is its versatility beyond web development. Python excels in game development, data analysis, and machine learning. Regardless of your company’s specific requirements, developing web applications with Python might be the perfect solution. Python’s vast library of tools and modules empowers it to automate operations. It facilitates dynamic code, eliminates roadblocks, and saves time and effort. With the help of intelligent automation, you can anticipate a well-designed Python application that boosts revenue and sales. These are just a few compelling reasons why Python is a popular platform for crafting mobile applications. Additionally, Python is a flex