

Which career Java programming options are waiting for you?

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1. In the end, big universities realized that Java was a lousy language if used for introductory programming

Academic level

To be admitted to the Java programmer position, at a minimum, you need to have a bachelor's degree in computer science, information systems, math or or equivalent. Some positions may require a master's degree. With a basic understanding of Java programming, it is quite easy to get a job placement in some companies.

Some employers may accept applicants who do not have formal qualifications in the above areas but who have the knowledge and technical experience. However, if you have a qualification, well-trained and experienced, your chances of getting a job are higher.

Career path

When you have a job, how can you develop your career? Depending on the experience accumulated, your career will move up the following path:

1. **Junior Programmer:** You will start as a basic programmer, and keep this position for the first 3-4 years in your career. The main task of this position is code, debugging, participating in code evaluation and technical documentation. At this stage, you should also focus on learning to gain more knowledge about the Java ecosystem and gain more certifications in one or more areas.
2. **Senior Programmer:** When you have more knowledge, experience and some certificates, you can switch to the role of a senior programmer. Here, responsibility will be greater, you can advise basic programmers, participate in the overall design and complete the software. Even though you still have to get your hands on the code, it will be less, because you may have to interact with customers, train them to understand the software. At this point, your goal is to move gradually into a leadership role, learn more and increase your degree in your field.

3. **Architect:** At this stage, with more than 10 years of experience in your field, you can assume the role of an Architect, including tasks associated with customers and software clients, collecting , analyze requirements, be responsible for the overall architecture of the system. You can assume this management role with increasing responsibilities and responsibilities, including having to communicate directly with senior managers.
4. **Manager:** You have participated in the process of becoming a manager, may have backed up one or more high-level training courses and some related certificates. The main task now includes overall responsibility for software distribution, financial management, budgeting and presentation to senior managers.

See also: Project Manager, Product Owner or Software Architect . what is the job?

In the field of application

Java programming is used in many industries with different roles and positions. It can be said that most Java programmers are operating in the following main areas:

Back-End Developer



Image source: *tec_estromberg on Flickr*

A back-end programmer will write code for back-end servers including web servers, database servers, and application servers. Currently, this job has a large recruitment demand, with many different career opportunities. In addition to core Java knowledge, you need to master the back-end stack below:

1. EJB or Enterprise Java Beans
2. Spring is used in many organizations instead of EJBs
3. Hibernate is used instead of EJB2
4. SQL is required in many projects, both large and small
5. JSP and Servlets to work with web server stacks

6. REST services are used to present (expose) an API for a web server

Big Data Developer

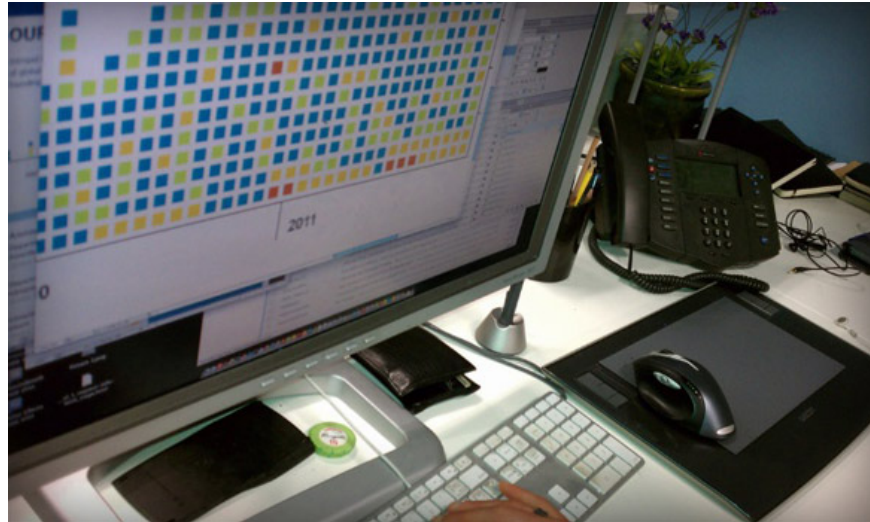


Photo source: A Brand New Way on Flickr

A Big Data programmer specializes in working with terrible data sets. Selecting this direction, the career path can be promoted very quickly because more and more companies seek to take advantage of huge data sets to serve business decisions, management, strategic planning. . To be considered for this position, candidates need to have knowledge of:

1. Hadoop, this is the first platform to bring Big Data to the community
2. Spark with significant progress in recent times
3. Pig is a language for writing big data processing jobs
4. MapReduce is a big data processing technology

Android Developer



Android based Java. To develop an Android application at any level of complexity that goes beyond the basics, you'll have to use Java. Once you've researched the Android platform, your career opportunities will skyrocket. Every company that has a website, or operates in the field of e-commerce, needs an Android (and iOS) application to maintain its presence on every platform.

Embedded Devices Developer



Photo source: Binary Koala on Flickr

This is an appropriate career choice, has the opportunity to grow, with the number of large devices from the router to the network equipment or the entertainment center using Java inside, you won't worry about what you will do. What after finishing school.

How is your Java work progressing? What stage of the process are you in? And which application are you working in? Do you have any valuable experience with this programming language? Please share with us and other readers by commenting below this article.

Wish you have a job that suits your aspirations!

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