

## **Java developer**

### **Job Mission**

As a Java developer you will join one of our multinational Scrum teams to create state-of-the-art software solutions. Teams are composed of five to ten developer, a Scrum Master and a Product Owner. We are committed to following a (scaled) Agile way of working, with sprints and demos every two weeks, aiming for frequent releases of working software. In all teams we cooperate with internal and external experts from different knowledge domains to discover and build the best solutions possible. We use tools like Continuous Integration with GIT, Jira and Bamboo. We move fast to help our customers reach their goals, and we strive to create reliable and well-tested software, because failures in our software stack can severely impact customers' operations.

### **Job Description**

All these dedicated Java teams work in unison on different products and platforms across ASML. Here's a brief description of what the different Java teams do:

- Create software infrastructure using Java EE, which provides access to SQL and NoSQL storage, reliably manages job queues with switch-over and fail-over features, periodically collects of information from networked systems in the Fab and offers big-data-like storage and computational capabilities;
- Create on-site solutions that continuously monitors all scanners in a customer's domain. The server can detect system failures before they happen and identify needed corrective actions;
- Provide industrial automation tasks that take care of unattended complex adjustments to the manufacturing process, in order to enable highest yields in high volume manufacturing; Implement and validate algorithms that give our customers the power to reach optimal results during manufacturing;
- Create applications that help fine-tune the manufacturing process, helping process engineers to navigate the complexities of process set-up through excellent UX design;
- Create visualization and analytics applications for visual performance monitoring, which also help to sift through huge amounts of data to pinpoint potential issues and solutions. For these applications, we use Spotfire and R as main technologies;
- Select and manage IT infrastructure that helps us run the software on a multi-blade server with plenty of storage. In this area, we use virtualization technologies, Linux, Python and Splunk in addition to Java.
- Use emerging technologies to turn vision into reality, e.g. using big data and machine learning;

**Responsibilities:**

- Designing and implementing software, working on the product backlog defined by the Product Owner;
- Ensuring the quality of personal deliverables by designing and implementing automated tests on unit and integration levels;
- Cooperating with other teams to ensure consistent implementation of the architecture;- and agreeing on interfaces and timing of cross-team deliveries;
- Troubleshooting, analyzing, and solving integration issues both from internal alpha and beta tests as well as those reported by our customers;
- Writing or updating product documentation in accordance with company processes;
- Suggesting improvements to our technical solutions and way of working, and implementing them in alignment with your team and their stakeholders.

Main technologies: Java SE and EE ranging from 1.6 to the latest version. Junit, Mockito, XML, SQL, Linux, Hibernate, Git, JIR.

**Education**

Relevant BSc or MSc in the area of IT, electronics or computer engineering.

**Experience**

If you already have Java software development experience in the high-tech industry, and you are applying for a mid-level, or senior position, you need to have the following experience:

- At least 4 years of Java SE or Java EE development experience;
- Design and development of server-side software using object-oriented paradigm;
- Creation of automated unit and integration tests using mocks and stubs;
- Working with Continuous Integration;
- Working as a part of a Scrum team;

**DEVELOPPEUR JAVA**

Le développeur Java travaillera au sein d' une équipe multinationale Scrum ayant pour but de développer des logiciels. Une équipe est composée de 5 à 10 développeurs, 1 Scrum Master et 1 Product Owner.

Notre client s' est engagé à utiliser la méthode de travail Agile, avec des sprints et demos toutes les 2 semaines. Le but étant de sortir régulièrement de nouvelles versions de logiciels. Toutes les équipes

sont conseillées par des experts internes et externes issus de nombreux domaines afin de créer les meilleures solutions. Tools utilisés sont par exemple Continuous Integration avec GIT, Jira et Bamboo.

Les différentes équipes Java utilisent ASML pour travailler en commun sur des produits et plateformes.

### **Expérience, formation et compétences souhaitées**

- Formation supérieure en Informatique ou Computer Engineering
- Maîtrise parfaite de l' Anglais
- connaissance Java SE et EE de 1.6 à la dernière version, Junit, Mockito, XML, SQL, Linux, Hibernate, GIT et JIR

Les +

- 4 ans ou plus d' experience développement Java SE ou Java EE
- Experience Continuous Integration
- Experience au sein d' un Scrum team