

## **Junior Software Designer**

### **Introduction**

Applications is a new business line within the ASML organization responsible for development and introduction of completely new products. With the development of Wafer Fab Applications we are expanding our business beyond the development of lithography machines into the area of process window control. For you this means working in a multi-disciplinary team on the edge of modern technologies. You will impact the future!

### **Job Mission**

As a Software Design Engineer you are member of a software development team responsible for implementation test and integration of software solutions to control stability and performance of the Scanner.

### **Job Description**

Within business line Applications the Wafer Fab application Software groups address the area of scanner stability and process control. You will be creating software in Java SE or Java EE, contributing to the development of controller software in a scrum/Agile way of working. Wafer Fab application controllers are created by several teams working together to deliver and integrate solutions to complex problems to enhance the control capability for our customers.

Within one of the teams you will implement user stories and you cooperate with other software team members. You will work with Team leads and Architects. In this position you will act as software professional. You apply software engineering practices such as implementation in Java, testing, and integration on the Litho computing platform. You will be gaining knowledge on complex mathematical control algorithms and the controller applications used by our customers, estimation and optimization algorithms, and workflows.

### **Education**

BSc or MSc in computer science, informatics, mathematics, physics, or electronics.

### **Experience**

Experience in object oriented development of technical software for high-tech equipment, working in an Agile/scrum way, recent experience with programming in Java and knowledge of swing and JavaFx is a prerequisite. Good affinity with mathematics and clear willingness to understand complex mathematical algorithms is preferred.

### **Personal Skills**

- Able to work in a multi-disciplinary team within a dynamic product development environment
- Analytical view and pragmatic attitude
- You take initiative, you are curious, ambitious, stress resistant and eager to take up new challenges

**Context of the Position**

In order to contribute to the realization of new software functionality you will need to be able to assess, review and discuss and implement software designs. Actively seek interaction with your team members to review yours and others contributions to our software archive. You work closely with your peers:

- to create software solutions
- to decide on software implementation
- to participate in code design and test documentation reviews
- to perform pair programming

Software test and integration is an important aspect of our work, hence you need to sit together with Software test and integration to align on test specifications and Software testing in order to meet the quality standards.

From a project management perspective close cooperation with the software team leader is required to provide him with effort estimates for software plan creation and updates for progress reporting. You will interact with your Software group leader for coaching and personal development discussions

**Other Information****Keywords**

software engineering, computer science, software designer, agile, scrum, Java SE, Java EE, JBoss, Oracle, product development, object oriented, OOAD, metrology, equipment, algorithm