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## **Position: Product Engineer**

### **Job Description**

As a product engineer, you will be responsible for developing complete testing and characterization solutions for multidisciplinary products having mechanical, optical, and electrical components. You will own building different testing set-ups including software and hardware parts to achieve automated testing for various products. You will be working closely with different contract manufacturers across the globe to install, train, and maintain your testing solutions at their sites. You will work closely with the production and system teams to provide them with various data and parameters extracted from the production lines to monitor different product yields and performance.

### **Key Responsibilities**

- Design, develop, and procure necessary hardware and software to create complete automated test solutions for development and production purposes.
- Install the testing solutions at the contract manufacturer site and help maintain them calibrated, achieving the target yield, and meeting the overall specifications.
- Smart automated data collection and data crunching for various measurements done on the production line to provide final results. Analyze results and communicate the observations and recommendations to the corresponding teams.
- Create required documentation including test design, instructions, specifications, drawings, verification, test results generation, and analysis.
- Work closely with the System, MEMS and Optics teams ensuring to come up with various parameters needed to qualify the parts under test and achieve target yield and throughput.

### **Technical Qualifications**

- BSc. degree in Electrical Engineering
- Good Electrical measurement and test equipment background
- Knowledge of circuit design theory
- Technical background in optical components and/or systems is a plus
- Receptive to mechanical engineering concepts is a plus
- Experience in programming and algorithm development
- Basic knowledge of serial communication protocols like SPI, I2C, and USB is a plus
- Strong Matlab/Simulink experience
- Knowledge of Labview programming
- Knowledge of C/C# and Java programming
- Knowledge of embedded c programming is a plus
- Basic knowledge of Python/R for data analysis is a plus
- Knowledge of optical design software like Zemax is a plus
- Strong computer skills (PowerPoint, Excel, Word, etc.)

### **Personal Qualifications**

- Strong analytical skills
- Self-motivated and able to work autonomously
- Flexible to work on multidisciplinary tasks
- Very good command of English spoken and written
- Able to travel abroad for short periods
- Self-starter and fast learner

**Potential candidates are welcome to forward their resumes to [human.resources@si-ware.com](mailto:human.resources@si-ware.com).**