

## TME Software Engineer - 582386

### Description

Software Engineers apply a systematic, disciplined, quantifiable approach to the development, operation, and maintenance of software. In this role, the candidate will be responsible for working with manufacturing equipment suppliers, Intel Equipment Development Engineers & Technology Development (TD) Automation Engineers, customers, peers, and other stakeholders to deliver and sustain equipment software supplier products, including embedded software and equipment automation interfaces, with factory host controllers, to meet Intel's technology development, high volume manufacturing (HVM), and supply chain needs. The candidate will be expected to apply sound software engineering principles and tools to ensure capital equipment software quality and compliance with equipment automation requirements. You will also engage with suppliers to help them progress and advance in software quality improvements, software process development, software configuration management, automation capabilities and automation support services. Behavioral traits for this position include: strong at analytical problem solving, tolerance of ambiguity, ability to multitask, strong interpersonal skills, teamwork, effective customer orientation, proactive problem solving, results orientation and project management.

### Qualifications

You must possess the below minimum qualifications to be initially considered for this position. Experience would be obtained through a combination of your Master's degree school classes, projects, research and any relevant previous job and/or internship experience:

#### Minimum Qualifications

- This is an entry level position for a recent technical college graduate.
- Must be graduating with a Master's in Computer Science, Computer Engineering, Electrical Engineering, or Computer Information Systems.
- Must have the unrestricted right to work in the US without requiring sponsorship.
- Minimum 6 months experience in application of software development lifecycles.
- Minimum 1 year experience in software programming with programming languages and protocols such as .Net, C++, Perl, Visual Studio.
- Minimum 6 months experience with equipment systems, the role of software in those systems and knowledge of software testing strategies, tools, and equipment software validation techniques.

#### Preferred Qualifications

- 6+ months experience in factory equipment software connectivity products and their integration into an embedded factory control system.
- 1+ years experience with equipment automation interface testing and design, specifically the application of semiconductor industry automation principles and Semiconductor Equipment Communication Standards and the Generic Equipment Model (SECS/GEM) and the application of SECS/GEM validation tools such as SECSimPro, CCSEnvoy or similar applications.
- 1+ years experience with Network programming TCP/IP, HTTP, SOAP, etc. protocols.
- 6+ months experience in developing networking/internet protocols to enable remote connectivity to factory equipment from outside a controlled environment.
- 1+ years experience in software development in an Object Oriented environment including Unified Modeling Language (UML).
- 1+ years experience in product lifecycles and software development lifecycles.
- 1+ years experience in Capability Maturity Model Integration (CMMI) and ISO 9001.

## Database Engineer - 581929

### Description

Job Description: Software Engineers conduct or participate in multidisciplinary research and collaborate with design, layout and/or hardware engineers in the design, development, and utilization of productivity enhancement layout tools and design rule checkers, electronic data processing systems software. Determines computer user needs" advises hardware designers on machine characteristics that affect software systems such as storage capacity, processing speed, and input/output requirements" designs and develops compilers and assemblers, utility programs, and operating systems. Responds to customer/client requests or events as they occur. Develops solutions to problems utilizing formal education, judgment and formal software process.

In this position, you will be a member of the Technology Manufacturing Engineering Automation (TME-A) in the Database team. You will be responsible for managing Manufacturing suppliers supporting Database, Middleware, and/or Decision

Support technologies. This role will specifically focus on Oracle and other Database related technologies. In this role, the candidate will be responsible for Sustaining existing suppliers with primary focus on Oracle, new supplier selections, and strategic sourcing activities. Typical work activities include:

- New release qualification from Oracle or related suppliers
- Ensuring customer compliance with license requirements, EOL management, and support services
- Management of escalated issues from Manufacturing's (ie TMG's) new process technology development organizations
- Evaluating future or roadmap capabilities for use within TMG
- Supporting and driving Supplier management processes (Management Review Meetings Technical Review Meetings, and Scorecard analysis)
- Leading selection activities for new Tech Dev capabilities, including RFIs, RFPs, POCs
- Identifying and evaluating industry opportunities that could provide strategic benefit to TMG

### **Qualifications**

Qualifications:

You must possess the below minimum qualifications to be initially considered for this position. Preferred qualifications are in addition to the minimum requirements and are considered a plus factor in identifying top candidates. Experience would be obtained through a combination of prior education level classes, and current (MS) level school classes, projects, research and any relevant previous job and/or internship experience:

#### Minimum Qualifications

- This is an entry level position for a technical college graduate
- Must be graduating with a Masters in Computer Science, Computer Engineering or Software Engineering, Information Technology or related field. Bachelors degree with 2+ years of concurrent IT experience will also be considered.
- Must have the unrestricted right to work in the US without requiring sponsorship

#### Preferred Qualifications:

- Prior Intel internship or an Intel scholarship recipient.
- 1+ yrs experience or study in database related technologies, including Oracle and SQL Server. Ideal candidate understands common DBA roles, DB Modeling techniques, SQL, and stored procedure development.
- Study or experience in business related fields within degree program, such as general management, finance, or accounting would be considered a plus as complement technical skills.

The ideal candidate has excellent communication skills, strong technical skills or desire to learn about installation and configuration of Oracle, and interest in managing professional relationships with suppliers.