



## **Job Description – Embedded Software QA/Test Engineer**

At Motiv Power Systems ([www.motivps.com](http://www.motivps.com)), we've taken a radically different approach to building electric trucks. Motiv is an entrepreneurial late-stage start-up in Foster City, CA, producing next-generation power management electronics and software for heavy electric-drive vehicles. From the first all-electric school bus in California carrying school kids to the first all-electric refuse truck quietly driving the streets of Chicago, Motiv-powered electric trucks and buses get the job done. We thrive on tough, complicated challenges that have the potential to build a better future.

Motiv is looking for a smart, enthusiastic, and an experienced Embedded Software Test Engineer to provide leadership in establishing our new Software Testing Group and join us in transforming an industry.

### **Responsibilities:**

- Defining test strategy and preparing test plans for embedded software products for the heavy electric-drive vehicle market and its applications.
- Align software test activities to meet Product Development Process schedules using best practices and tools.
- Plan, develop, coordinate, and perform testing on the bench and on vehicles in alignment with other Product Verification & Validation activities, as well as lead software documentation design reviews.
- Testing, automating, and maintaining manual and automated regression suites for company's electric drive train components and software/hardware releases.
- Participating in project team discussions on product design and presenting test results to engineering teams and management.
- Contributing in a meaningful way to team goals and initiatives to increase quality and efficiency of software test processes.
- Be an outspoken, proactive champion of quality for Motiv.

### **Qualifications:**

- BS or equivalent degree in EE/Computer Science or related field.
- Strong knowledge and understanding of electrical theory and components.
- Minimum 3 years of experience in SQA methodologies and test automation related to embedded software and associated applications.
- Experience with setting up and extending automated test suites.
- Experience in writing/debugging C, and scripting experience (e.g., Perl, Python, Ruby, Bash, etc).
- Good organizational skills.
- Ability to work effectively with cross-functional teams and suppliers.
- Experience with software and communications diagnostic tools such as com port analyzers, Wireshark and hardware diagnostic tools, such as oscilloscopes.

### **A strong candidate will also have:**

- Experience with electrical and electronic controls and components.
- A basic knowledge of Controller Area Network (CAN) communications.
- Experience with automotive electric power-train testing technologies a plus



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This full-time position is based in Foster City, CA. Position will require some infrequent travel to client sites (less than 10% of your time). Salary/equity compensation is based on skills and experience. We are not able to support H1B visas or relocation.

Applications will be reviewed as they are received. Candidates only, please – no recruiters.

For more information, or to apply, contact [jobs@motivps.com](mailto:jobs@motivps.com) and please include the position title in your subject.