Job Description – Linux Python Software Engineer

Motiv Power Systems (www.motivps.com) is based in Foster City, CA. We provide next generation power management electronics and software for heavy electric-drive vehicles. Motiv’s products make it easy to integrate new technology components into heavy vehicles and collect the data needed for efficient management of electric fleets. Motiv is the only company to have an electric powertrain in vehicles as diverse as school buses and refuse trucks.

We are looking for a Linux Python Software Engineer to join the product development team. As a member of a small software team, you will design, develop, validate, and maintain the software for our vehicle-based data collection and diagnostics product. We are also looking for this role to be the technical project manager. To be successful in this role, you must work closely with other engineers and constantly solicit input from the product’s end-users to improve it. Other responsibilities will include assisting in the development of software tools to aid the engineering, support, marketing, and sales teams.

As a small and growing company, we are critically dependent on our team members’ leadership, enthusiasm, creative problem solving, and self-motivation across a wide range of both technical and nontechnical disciplines.

Responsibilities:

Lead the software Design, Development, and Implementation of the new Remote Telemetry Project. Position requires you to work both independently and with close teamwork with other groups to effectively accomplish project objectives and engage in the following:

- Interacting with software systems engineer or other technical leaders to understand subsystem and component specifications and recommend changes to facilitate efficient and effective development.
- Designing, developing, and testing software for Motiv’s remote vehicle diagnostics product in Python, C, and other languages.
- Managing the development sprints and tracking progress vs. plan.
- Assisting with designing the architecture for Motiv’s data collection strategy.
- Write and execute manual and automated tests for subsystems and components.
- Perform tasks efficiently and work together with team to ensure project success.
- Rigorously documenting your work to enable effective collaboration, both in code and in standalone documents.
Requirements:

- BS or MS in engineering, computer science, or a related discipline or equivalent experience, exceptional candidates with less experience will be considered.
- Proficiency with Python, C, & Java scripting; ability to use one or more IDEs (e.g., Eclipse) and interactive debuggers effectively.
- Knowledge of Linux operating system and development environments.
- Experience running Agile development projects.
- Successful design and implementation of multiple software components and subsystems.
- Proven experience in solving challenging technical problems.
- Ability to communicate the design and implementation of software systems including relevant strengths/weaknesses and reasons for implementation decisions.
- Experience with RESTful API’s, and socket-based messaging protocols.
- Good task estimation and prioritization skills.

Additional Preferred Expertise:

- Experience working on embedded firmware
- Experience working with automotive CAN messaging systems is a plus
- Ability to travel to client or other sites to support technical presentations, testing, and integration.

This full-time, permanent position is based in Foster City, CA. Compensation is based on experience and includes equity. Applications will be reviewed as they are received.

To apply, please email your resume and cover letter to jobsw@motivps.com.