



## **Job description – Embedded Systems Software Engineer**

---

Motiv Power Systems ([www.motivps.com](http://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 electric-drive vehicles and collect the data needed for efficient management of electric fleets. Motiv is the only early-stage start-up in Advanced Truck Technology to win multiple California Energy Commission awards for technology development and electric truck demonstration projects.

We are looking for an entrepreneurial entry-level software engineer with a passion for embedded systems work. As a member of Motiv's core engineering team, you would be responsible for the design, implementation, and testing of our core powertrain software. When new boards are released, you'd take on the task of board bring up, aided by a schematic, oscilloscope, serial port, and debugger. You'd be involved in development of code implementing anything from device drivers to application-level state machines and data management, on a queued event driven execution environment residing directly upon the silicon (i.e. no RTOS).

For this position, competency writing solid C code for embedded applications is a must. You should also have at least some experience with test equipment (logic analyzers, oscilloscopes) and be able to find your way around the digital aspects of schematics.

At Motiv, we're big fans of interdisciplinary discussion and spending a lot of time in front of white boards. As a member of our team you'd be exposed to discussions about power electronics, control algorithms, mechanical issues and more, and will have the opportunity to contribute to discussions in fields outside of your own. You would also have feedback available from a group of engineers to engage in cross-disciplinary discussion when you're stumped with a tricky design problem. You may also find yourself on the phone with application engineers and component suppliers in between debug sessions and gatherings in front of the white board.

As a small entrepreneurial company, our team members' leadership, creative problem solving skills, and self-motivation across a wide range of both technical and non-technical disciplines is critical to our success, as is eagerness to grow professionally as the company expands.

This is a full-time permanent position based in Foster City, CA. Compensation is based on experience and includes equity. Sorry, we are not able to support H1B visas at this time. Engineer candidates only, please – no recruiters. Applications will be reviewed as they are received.

For more information or to apply, please email your resume and cover letter to [jobsw@motivps.com](mailto:jobsw@motivps.com)