



Embedded Software Engineer

Drew Technologies, based in Ann Arbor MI, seeks a full time Embedded Engineer to develop and produce high quality automotive diagnostic and inspection products. Any qualified applicant will be considered.

Job Description:

The selected candidate will create embedded diagnostic devices that conform to the SAE J2534 specification and work with our windows-based tablet diagnostic solutions. The optimal candidate will be a methodical, detail oriented, self-starter with experience in embedded product development. Previous experience working in a fast-paced design culture is required. ***This is a full time, on-site position with regular Monday thru Friday work hours.***

Primary Responsibilities:

- Develop new embedded automotive diagnostic PassThru products (PC boards and firmware)
- Develop Diagnostic systems including PC hardware, vehicle communication hardware and battery management hardware.
- Test new designs, find solutions to issues found
- Create test systems for the new products
- Implement new vehicle protocols and create test suites to confirm their operation

Requirements

- A passion for building quality products
- Knowledge of hardware design and components including MPUs, UART, CAN, LIN, A/D, D/A converters, RAM/Flash memories, and other digital electronics
- Design of processors, power supplies, communication, analog and digital electronic circuits
- Thorough knowledge of the C programming language
- Excellent communication skills, including the ability to communicate concepts in software and schematic design
- Must have written and oral proficiency in the English language and effectively present information and respond to questions from group
- Can understand and utilize device data sheets and debug electronic circuits
- Ability to estimate project schedule and required resources
- Good time management skills including estimating project schedules and required resources
- Effectively present information and respond to questions from groups



DREW TECHNOLOGIES

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drewtech.com

Desired competencies / experience:

- Has developed products using the ARM family of processors
- Strong understanding of electronic design for EMC / EMI compliance
- Can solder surface mount components onto a PC board
- Problem solving skills including the ability to debug complex embedded software issues
- Self-driven and self-motivated
- Has knowledge about OBD (On Board Diagnostics)
- High degree of personal integrity, a strong work ethic and a team player
- Complete projects/tasks on a timely basis, according to commitments made
- Familiar with batteries and battery maintenance circuits.
- Familiar with the SAE J2534 specification
- Familiar with USB, Blue tooth and Wi-fi connections
- Familiar with OBD and Automotive diagnostic protocols

We offer:

- 401k Plan with employer match
- Company Profit Sharing
- Insurance Plans for Medical, Flexible Spending Account, Vision, Dental, Life, Disability
- 10 Paid Holidays and Paid Time Off

Reasons to work with us:

- Growing leader in the automotive diagnostics and inspection market
- Excellent leadership and unlimited growth potential
- Competitive salary, benefits, and relocation for selected candidates
- Original system design opportunity, not improving/revising/maintaining an existing system.

About Drew Technologies:

Drew Technologies is a business unit of **Opus Vehicle Services** which is a division of **Opus Group**. **Opus Group** is a publicly held Swedish corporation with operations worldwide.

For over 20 years, we have set ourselves apart from any other J2534 diagnostic and reprogramming devices available on the market. **Drew Technologies** recently introduced the award winning **RAP® (Remote Assisted Programming)** service. **RAP®** is designed to assist automotive repair and collision technicians remotely program vehicles. In a nutshell, **DrewTech's** core competency is "talking to vehicles".