

**Job Title: Software/Firmware
Engineer**

Position Location: Victoria, BC

Department: Engineering

Reports to: Manager - Engineering

Job Summary

As a key member of Go Power's Engineering team, the **Software/Firmware Engineer** is responsible for development responsibilities to deploy connected solutions and manage offshore app and firmware developers on implementation. This position will interface with the strategy team in Sweden to develop global connectivity platforms. There is also the responsibility to know both the opportunities for using in-house resources and capabilities and the opportunity to seek and create partnerships in the developing of these connectivity solutions into saleable products that meet B2B, B2C and D2C needs. Good product and project management skills will help with meeting deadlines, keeping projects on schedule and participating in product launch activities.

Primary Responsibilities

- Work with internal partners to define and refine connectivity strategy and system architecture
- Define detailed specifications for App and Firmware development
- Work with external engineers to develop new App features and Firmware to support them
- Review and create test plans and documentation for App and Firmware development
- Ability to manage the project by directing external resources
- Problem solves with internal and external resources
- Integrate connectivity solutions with appliances and smart devices
- Coordinate and participate in software design and code reviews
- Maintenance of app and firmware post release
- Implement a strategy for over the air product updates and software compatibility
- Facilitate with product management on UI/UX and wireframe specifications
- Support firmware and troubleshooting on legacy products
- Interact with customers and suppliers and represent Go Power!
- Assist in applications support and troubleshooting as required.

Qualifications

- Minimum of Bachelor's Degree in Electrical, Electro-Mechanical, Software Engineering, or Computer Science or equivalent knowledge and skills

Skills and Experience

- Strong proficiency with software design, development, validation, and documentation
- Excellent software design and programming skills in C / C++
- Strong understanding of hardware system design and hardware / software interfaces
- Working experience with the agile development process
- Working experience with CAN and communication protocols such as J1939, NMEA2K, and CAN open
- Familiarity with Linux SDK environment, AWS Cloud Development Kit a plus
- Familiarity with phone operating systems IOS and Android a plus
- Familiarity with various bus protocols and interfaces (e.g., CAN, SPI, I2C, TCP/IP, AT Command, Wi-Fi, Bluetooth, MQTT)
- Familiarity with UML, object-oriented programming, and design patterns
- Familiarity with version control system such as GIT and issue tracking system such as JIRA
- Strong problem-solving skills
- Well-developed organizational skills with the ability to manage a variety of tasks
- Excellent verbal and written communication skills in English
- Ability to work well independently and as part of a strong team
- Must have real world experience working with individuals of diverse backgrounds and a respect for diversity
- Professional demeanor whether in person, via email or on the telephone
- Minimum of 2 years' experience in a fast-paced, high-volume workplace

Go Power! has been an industry leader in mobile power solutions and solar power for over 25 years. Since 1996, Go Power! has delivered quality, mobile solar power to recreational vehicles and commercial passenger vehicles across North America. Durable, dependable, and cost-effective products and services is what we stand for. Our high-quality components and unparalleled customer service offer reliability wherever your adventures take you.