



## FIRMWARE ENGINEER

Date: April 2017

Classification: Exempt

Job Type: Full Time

Apply by e-mail to [hr@mercury-security.com](mailto:hr@mercury-security.com)

Compensation: Negotiable – Salary

Reports to: Engineering Manager

Mercury Security Products located in Long Beach, California, is a leader in the commercial security industry designing and manufacturing embedded controllers. We are currently seeking a Firmware Engineer, a newly created position, to aid in the design of new products and support existing products.

We offer a competitive and comprehensive compensation package which includes medical, dental, vision, life insurance, 401k, flex spending and PTO to qualifying employees. Mercury is a casual working environment.

### Position Summary

As a member of a collaborative engineering team, the embedded software systems engineer is needed to develop physical access control systems and communications drivers for our high-reliability product. Candidate should have an excellent background in the C language using multiple distributed OS environments, including Linux and Windows, and should be familiar with network-based communication protocols

### Responsibilities

The Firmware Engineer responsibilities are:

- Develop and enhance features for real-time embedded system.
- Develop communications protocol drivers for use in our embedded system and third-party products.
- Develop and enhance network communication mechanisms.
- Port existing software to new embedded hardware and software platforms.
- Design and implement software development and test tools.

### Minimum Qualifications

- Bachelor's degree desired in Computer Science or Computer Engineering.
- BSEE or BSCS
- 3-5 years professional experience in C or C++ programming.
- Experience in distributed systems and network based communication protocols.
- Familiarity with the Microsoft Visual Studio and Eclipse development environments.
- Ability to work on complex tasks with minimal technical guidance.
- Excellent problem-solving, design, development, and debugging skills.
- Good communication skills.

### Desired Qualifications

- Professional experience in Linux development.
- Knowledge of the GNU toolset.
- Experience with RTOS and high-reliability platforms.



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- C, C++, TCP/IP, UDP, RS232, RS-485, SSL, TLS, XML, HTML, JSON, Web Services, REST, and Virtual Machines.

### **Compensation**

The position of Firmware Engineer will be compensated with a base salary commensurate with experience and meeting the above requirements and a benefits package.

### **Travel**

None

### **Characteristics**

- Ability to communicate professionally with employees at all levels of the organization.
- Ability to prioritize, organize and plan your workload effectively.
- Competence to build and effectively manage interpersonal relationships at all levels.

### **Physical Requirements**

The physical demands described here are representative of those that must be met by an employee to successfully perform the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

While performing the duties of this Job, the employee is regularly required to sit; use hands to finger, handle, or feel; reach with hands and arms and talk or hear. The employee is occasionally required to stand; walk and stoop, kneel, crouch, or crawl. The employee must frequently lift and/or move up to 25 pounds. Specific vision abilities required by this job include close vision, distance vision, color vision, peripheral vision, depth perception and ability to adjust focus.

### **Disclaimer / Policy Statements**

Mercury Security is an Equal Opportunity Employer. We respect and seek to empower each individual and support the diverse cultures, perspectives, skills and experiences within our workforce.

### **About Mercury Security Products, LLC**

Mercury Security Products is the global leader in the supply of OEM access control hardware. Built on an open platform, with over 4 million panels sold, Mercury has the largest installed base and greatest accumulated run time of any access hardware provider in the world. Headquartered in Long Beach, California, Mercury has been providing enhanced access control technology since 1992. More information is available at [www.mercury-security.com](http://www.mercury-security.com).