Job Title: Software Engineer   **Prepared By:**
Department: Engineering   **Approved By:**
Reports To: Director, Software Development   **Approved Date:**
Location: Long Beach, California   **FLSA: Exempt**

About Mercury Security Products:

Mercury Security, located in Long Beach, California, is recognized as the global leader in the design, manufacture and supply of access control security technology. Mercury Security is part of HID Global, the provider of trusted identities to the world's people, places and things.

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

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

Duties and Responsibilities include the following. Other duties may be assigned.
- 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.

Qualifications
To perform this job successfully, an individual must be able to perform each essential duty satisfactorily. The requirements listed below are representative of the knowledge, skill, and/or ability required. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

Education and/or Experience
- Bachelor's degree desired in Computer Science or Computer Engineering.
- BSEE or BSCS
- 1-3 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.

Preferred:
- Professional experience in Linux development.
- Knowledge of the GNU toolset.
- Experience with RTOS and high-reliability platforms.
- C, C++, TCP/IP, UDP, RS232, RS-485, SSL, TLS, XML, HTML, JSON, Web Services, REST, and Virtual Machines.

Language Skills
- Ability to effectively communicate in the English language verbally and in writing.
- Ability to read and interpret technical journals, specifications, international technical standards, etc.

Computer Skills
- Proficient in MS Office applications, such as Word, Excel, PowerPoint, etc.
- Familiar with operating systems, such as Windows, etc.

Customer Expectations
Highlight knowledge, skills, abilities and traits necessary in this role to satisfy our *customer's* expectations

Work Environment
- The work environment characteristics described here are representative of those an employee encounters while performing the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.
- Employee works primarily in an office environment, with in a well ventilated area, and is exposed to moderate noise levels.

Work Requirements
- Compliance to all relevant HID Global policies and procedures related to Quality, Security, Safety, Business Continuity, and Environmental systems.
- Must be legally eligible to work in the United States.