



Rantec Power Systems Inc.  
Los Osos, California

### Job Description

**Title: Software Engineer Senior**

**Date: October 2024**

**Department: Engineering**

**FLSA Status: Exempt**

**Reports To: Director of Software Engineering**

#### Scope

Develops, creates, and modifies embedded microcontroller software and digital/analog control systems. Modifies existing embedded software to correct errors, adapt to new hardware, or improve its performance.

#### Essential Duties and Responsibilities

- Leads the research, design, development and testing of software and embedded hardware. This includes development of new digital and analog control systems for mil/aero power supplies.
- Responsible for implementing modern software design principles, resolving complex technical hardware and software issues, and providing solutions which are innovative and ingenious.
- Participates in internal reviews of software components and hardware systems.
- Self-directed with limited oversight from immediate supervisor
- Collaborates with stakeholders in the Engineering and Production departments
- Builds stable working relationships
- Works on problems with defined scope, schedule, and expectations
- Follows standard practices and procedures in analyzing situations or data from which answers can be readily obtained
- Ability to work flexible hours and/or different shifts, if needed.
- Ability to work in a safe professional manner adhering to all regulatory requirements including OSHA, EPA, State and Federal Regulations.
- As the Company's success relies on the productivity of our team and adherence to customer product schedules, an essential function of this position is the ability to arrive to work on-time, and work each day, as scheduled.
- Perform other duties as assigned.

#### Qualification Requirements

- 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.
- This position requires access to our export-controlled commodities, technical data, technology and services. These items are restricted under the International Traffic in Arms Regulations (ITAR) to U.S. Citizens, Lawful Permanent Residents of the U.S. and properly licensed foreign persons. Therefore, employment is contingent on compliance with ITAR regulations and successfully obtaining and maintaining the necessary export authorization license from the U.S. Department of Commerce's Bureau of Industry and Security, U.S. Department of State's Office of Defense Trade Controls, or other applicable government agency.

### **Education and Experience**

- Bachelor's degree in Software, Aerospace, Mechanical, or Electrical Engineering from a traditional college or university vs. online degree programs.
- This is a senior level position requiring 5+ years of embedded experience
- Experience with C and assembly programming
- Experience with digital and analog control circuit design and embedded programming
- Experience reading and creating electrical schematics
- Experience creating Software Quality Assurance requirements and documentation
- Experience with military or aerospace hi-reliability systems
- Understanding of Software Configuration Management practices and tools: git (preferred)
- Experience with Microsoft Office applications (i.e. Word, Excel, PowerPoint, and Outlook)

### **Physical Requirements**

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

- Work within an office and factory environment, including moderate noise and chemical odors
- Moving between sitting, standing and walking
- Operates a computer and other office productivity machinery, such as; calculator, copy machine, printers, etc.
- Frequently lifting and handling items less than 10 lbs with occasional lifting up to 25 lbs.
- Occasionally ascending or descending stairs, and the like to meetings and to access various facility locations.
- Specific vision abilities required by this job close vision, distance vision, peripheral vision, depth perception and the ability to focus, with correction, if needed, to perform hand soldering and wiring of assemblies.

**Rantec is proud to be an Equal Opportunity Employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, disability, age, or status as a protected veteran. Rantec will consider reasonable accommodation to its policies for employees and applicants due to sincerely held religious beliefs.**