

**PRECO Electronics**  
**Software Development Engineer in Test – Firmware (SDET)**  
**Chandler, AZ**

**Overview**

PRECO Electronics designs and manufactures PreView® radar systems. PreView® radar systems are state of the art object detection systems used on both on and off-road heavy-duty vehicles in around the world.

**Primary Responsibilities:**

The Software Development Engineer in Test – Firmware (SDET) is responsible for the following

- Specify, develop, build and maintain test tools and associated software/firmware
- Participate in developing a documented firmware test strategy
- Develop firmware test plans that cover functional, integration, system, performance, stress and regression testing scenarios
- Develop test scripts
- Perform functional, integration and system testing
- Create test reports, analyze data, summarize information, and present results to the relevant audience

**Other Characteristics:**

- Proficient in C and a scripting language (Python, Pearl, Bash)
- Experience with ASPICE and CMMI models
- Experience with communications protocols such as J1939 CAN and Ethernet
- Experience with Vector CANalyzer a plus
- Experience with a variety of processor platforms
- Ability to work and communicate well in a small team environment is a must
- Exceptional test aptitude and expertise in formal and informal testing techniques as well as quality reporting
- Effective project management skills
- Proficient verbal and written skills to effectively communicate in the English language
- Ability to influence and drive quality across the team and disciplines required
- Experience with test automation and Quality Assurance methodologies, development processes and engineering excellence
- Experience with defining a test strategy for a product/feature

**Education/Experience:**

- Bachelors in Computer Science, Electrical Engineering or Computer Engineering
- 3-5 years of experience in firmware design/development/test

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