

John Doe
email@emailcomp.in

Education

- B.Tech

Skills

- xyz
- xyzt
- abc
- C/C++
- Python
- Git
- Jenkins
- CI/CD

Achievements

- a
- b
- d
- e
- f

Projects

- **Rails:** Ruby on Rails

Experience

Embedded Systems Test Engineer

Job Description: We are seeking a skilled Embedded Systems Test Engineer to join our R&D team. The ideal candidate will be responsible for developing, executing, and maintaining test procedures for embedded software and hardware systems used in aerospace and IoT applications.

Responsibilities:

- Design and implement automated test frameworks for embedded systems
- Perform hardware-in-the-loop (HIL) and software-in-the-loop (SIL) testing
- Develop test plans, write test cases, and ensure requirements coverage
- Debug and analyze failures to identify root causes
- Collaborate with firmware developers to enhance product reliability
- Work with tools such as JTAG debuggers, oscilloscopes, and logic analyzers
- Prepare detailed reports and documentation of test results

Required Skills:

- Strong experience with microcontrollers (STM32, ARM Cortex-M)

- Proficiency in C/C++ and Python for test automation
- Knowledge of embedded RTOS and hardware communication protocols (UART, SPI, I2C)
- Hands-on experience with test equipment (multimeters, oscilloscopes)
- Familiarity with Git, Jenkins, and CI/CD for embedded projects
- Understanding of safety-critical standards (ISO 26262, DO-178C)

Preferred Skills:

- Experience with MATLAB/Simulink for model-based testing
- Knowledge of hardware design fundamentals (schematics, PCB testing)