

Summary

You will be involved in testing and characterization of integrated circuit (IC) microcontrollers, analog sensors and LED drivers. Candidates must be able to understand and interpret analog- and digital schematics to develop electronic hardware and associated firmware that will fully characterize the circuits.

Job Description:

- Microcontrollers and ASICs with various functions will be tested, including
 - Capacitive sensors, Magnetic sensors, Light sensors
 - High power LED drivers
- Challenges lie in developing accurate and time-efficient test systems.
- Problem solving and working efficiently is essential
- Support Azoteq products where required.
- Other duties as agreed from time to time.

Skills Required:

- Embedded microprocessor development experience, e.g. Microchip PIC, STM8, STM32
- PCB design
- Scripting (e.g. Python)
- C, C++ Programming
- Systematic approach and well-organized work methodology
- Analog simulation using SPICE-based simulator
- Experience using VHDL and Verilog advantageous
- FPGA development
- Knowledge of integrated circuits
- Excellent organizational and time management skills
- Experience using version control systems (Git) advantageous
- Windows
- Working knowledge of QMS