Job title: Firmware Engineer
Education Level: B.Eng Electronics
Work experience: 3 – 10 years practical experience
Location: Paarl, South Africa
Employment type: On site, Permanent

Company:

Azoteq is a leading fabless semiconductor company in PAARL, Western Cape who seeks to employ a Firmware Engineer in the PowerSense Group.

Requirements 3 – 10 years of experience and knowledge in PCB Design and Embedded microcontroller code development in mainly C/C++ on platforms such as Microchip PIC, STM8, STM32, Dialog, Silabs, low voltage design, low power systems and Python script.

Experience in the following areas will be advantages: BLE, mobile applications, bootloaders, IoT, Low Voltage and Low Power design.

Duties
Implement embedded software (focus on C) applications on variety of embedded applications.
Define software architecture and application interface.
Create component Prototyping, Embedded programming, and PCB Design.
Design low power hardware solutions.
Develop firmware in BLE applications.
Proficient at schematic capture and PCB layout considerations and reviews using Altium Designer.
Debug and design embedded electronic hardware and firmware.
Design embedded GUI and UI / UX applications.
Integrate and test overall system.
Maintain QMS system for own products/projects.

Experience You Need for this position-
C/C++
Python script
Embedded C Programming
Low power, low voltage design
Firmware/Hardware design