



Job title: **Applications Engineer ProxFusion**
Education Level: **B.Eng Electronics Experience**
Level: **3 - 5 years practical experience**
Location: **Paarl, South Africa**
Employment type: **On-site, Permanent**

Azoteq, located in Paarl, Western Cape, is a leading fabless semiconductor company seeking to recruit an Application Engineer in the ProxFusion Group.

Ideally, we are looking for someone with 3 – 5 years of experience and proficiency in PCB design, embedded microcontroller code development primarily in C/C++ on platforms such as MSP430 and STM32.

A good understanding of sensor integration will be advantageous. In a dynamic tech industry, we value individuals who are proactive, focused, and self-motivated.

As application engineer, you will have the opportunity to identify, develop and deploy solutions that fill gaps in the market. You will be responsible for integrating Azoteq's sensor technology into new or existing designs/products in various consumer electronic products.

Daily tasks:

- Embedded MCU programming of Azoteq Sensor Engine driven systems.
- Applications planning, design and development.
- Test infrastructure and firmware/software development.
- Research and develop innovative ideas for new products.
- Improve the performance and efficiency of existing products.
- Implement embedded software applications on variety of embedded applications.
- Define software architecture and application interfaces.
- Debug and design embedded electronic hardware and firmware.
- Perform circuit prototyping and verification.
- Maintain QMS system for own products/projects.
- Client / distributor interface and support of our international customer base

Skills required:

- Embedded microprocessor development experience (e.g. MSP430, SMT32).
- C++, Python or other high-level languages.
- Experience with version control systems (git, svn) would be advantageous.
- Proficient at schematic capture and PCB layout considerations and reviews using Altium Designer.
- High level of innovative thinking as well as an analytical approach to problem solving.
- Analogue design and debug skills.
- Self-starter.