Job title: **Applications Engineer ProxFusion**
Education Level: **M.Eng , B.Eng Electronics**
Experience Level: **0-6 years**
Location: **Paarl, South Africa**
Employment type: **Permanent**

Job Details

Azoteq is a fabless IC design house based in Paarl, South Africa. Azoteq strives to make a user's interaction with electronics better, simpler and seamless. With more than a decade of capacitive sensing expertise, the sensor offering is further expanded to include ProxFusion® multi-sensor technology. The first generation of ProxFusion® offers combinations of capacitive sensing, Hall-effect, IR, PIR, inductive, temperature and ambient light sensing on a single IC.

As ProxFusion application engineer you will have the opportunity to identify applications and implement Azoteq's sensor technology in pre-released consumer electronics such as headphones, mobile phones, wearables, PC peripherals and home automation products for clients like Google, Phillips, JBL, Lenovo, Microsoft and Bose.

At Azoteq you will work with qualified and experienced engineers in the research, development, prototyping and production phase of each product. The multi-disciplinary environment allows you to either become an expert in your preferred field (software, analog design, IC design) or a broadly skilled engineer.

Azoteq's culture consists of hard work, ping-pong tournaments, counterstrike shoot-outs, home cooked lunch, 'bier-uur' and barista flat white coffees.

Daily tasks will include the following:

- Research and develop ideas for new products
- Improve the performance and efficiency of existing products
- Embedded MCU programming of touch and proximity controlled systems
- Applications development
- Product design
- Prototype evaluation
- Test development
- Product release
- Client / distributor interface and support of an international customer base
- Occasional international travel

Essential requirements:

- High level of innovative thinking as well as an analytical approach to problem solving
- Analogue design and debug skills
- Self-starter
- Work on own and carry project from start to finish

The following will be Advantageous

- Embedded microprocessor development experience (e.g. Microchip PIC)
- C++, C#, Python and or other high-level languages

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About Azoteq

Azoteq is a fabless semiconductor company founded by Dr. Frederick Bruwer in 1998. The company prides itself in innovation with more than 39 patents issued and filed on the IQ Switch® product range. The R&D headquarters are situated in Paarl, South Africa. Offices in Pretoria, Shenzhen, Shanghai, Hong Kong, Taipei, Singapore, Tokyo, Seoul, Munich and Texas support the marketing, sales and supply chain functions.

www.azoteq.com