



Job title: **Test Engineer**
Education Level: **MEng or BEng (Electrical and Electronic Engineering)**
Location: **Paarl, South Africa**
Employment type: **Permanent**
Work experience: **3-8 years' experience**

Azoteq (Pty) Ltd, Paarl R&D facility, is seeking a Test Engineer who will be responsible for the design, development, documentation, implementation, and improvement of test equipment.

Summary of essential job functions

- Design and develop product test equipment for the production environment.
- Implement designs on time to meet production needs.
- Develop test infrastructure for manual and automated testing by product development teams.
- Optimize and enhance the existing testing infrastructure, minimizing test time and cost.
- Maintain existing test equipment to ensure the quality of the products.
- Regularly monitor and analyze test data.
- Provide support to external manufacturing companies.
- Must adhere to accepted engineering practices and follow customer/company specifications.
- Comply with and promote the quality policy of the company.
- Will work both independently and in groups. Will require interfacing with numerous internal and external personnel.
- Report, to the appropriate personnel, any item which may affect product performance, reliability, schedule, cost, or employee performance. Recommend improvements and changes that may be needed.
- Expected to maintain competency with regards to changes in technologies.
- Conduct proof of concept investigations into new tools, methods, and test strategies.
- Possible overseas travel to test facilities
- Train and guide (non-supervisory) technical personnel to use equipment or new technologies.
- Research new components and technologies as they become available

Requirements:

- B.Eng Electronic Engineering or higher qualification
- 3+ years of experience in a product testing or similar environment
- C/C++ or C# Software Development experience
- Python scripting
- Understanding of Web Technologies (Javascript, HTML, CSS)
- Printed Circuit Board design (Schematics)
- Embedded programming and debugging experience
- Experience with hardware interfaces (RS-485, SPI, I2C, USB etc.)
- Experience with Raspberry Pi development