MICHIEL BRAND

Software Developer

📞 +27 84 916 3010 ✉ michielsefoon@gmail.com 📍 Stellenbosch, South Africa
🌐 michiel-portfolio 💼 michiel-brand-70b31517b ⌨ michielhbrand

EXPERIENCE

Software Developer - Full Stack
Etse Electronics (Pty) Ltd

📅 April 2022 – Ongoing 📍 Stellenbosch

This is where my professional journey began.
My first project was Farmtrack - a complex data analytics platform which enables farmers to track their crop spraying operations in real time.

TECHNOLOGY

Frontend

- Aurelia JS Framework (Browser)
- React JS (Mobile)
- Bokeh (Interactive Visualizations in Python)
- Typescript
- JS, HTML, CSS, Bootstrap, Webpack
- Static Website Generation
- SSL/TLS Certificates

Backend

- .NET (C#)
- RestAPI
- Node.js
- MongoDB
- MS SQL Server
- Swagger UI & Postman
- Mocha JS

Cloud - AWS

- EC2, S3, Lambda, RDS, ElastiCache
- SQS, SNS, VPC, Route53
- Cloudwatch, Secrets Manager, Key Management

DevOps Tools

- Docker
- CI/CD Automation Pipelines
- Git Version Control
- Shell Scripting
- Linux, SSH

EDUCATION

M.Eng. Electronic Engineering
Stellenbosch University

📅 2020 – 2023

Dissertation: Towards the development of a smartphone-based biosensor for detecting Tuberculosis.

B.Eng. Electrical and Electronic Engineering (Robotics)
Stellenbosch University

📅 2014 – 2019

ACHIEVEMENTS

✈ **Commercial Pilot License**
Single engine fixed wing aircraft

🏆 **Golden Key International Honour Society**

☁ **Certified Cloud Practitioner**
Amazon Web Services

MAJOR INTERESTS

General Aviation | Music Writing
Guitar | Electronic Design | Triathlon
Road & Trail Running | Mountain Bike
Outdoors & Hiking

SOFT SKILLS

Professional Communication & Documentation
Work Commitment | Attention to Detail
Multi Disciplinary Teamwork

LANGUAGES

English ●●●●●

Afrkaans ●●●●●