BERNARD SWANEPOEL

+27(083) 576-6275 ⋄ South Africa, North West, Stilfontein

Email ⋄ LinkedIn ⋄ CV ⋄ Portfolio

OBJECTIVE

Software Engineer with development experience, seeking full-time Full-stack developer roles.

EDUCATION

MSc Computer Science, North-West University — 2025-2027

BSc Hons Computer Science and Information technology, North-West University — 2024
Relevant Coursework: Decision support systems, Databases, Computer security, and Artificial intelligence.

BSc Information Technology, North-West University — 2020 - 2023
Relevant Coursework: Data structures and algorithms, IT Developments, Computer networks, Operating Systems, Systems Analysis and Design, Object Oriented Programming, Information Security, and Structured Programming.

SKILLS

Technical Skills	Python, Java, C#, Bash, HTML, CSS, JavaScript, LaTeX, AWS, Kotlin, GitHub, Linux
Frameworks	Node.js, React, Flask, TensorFlow, PyTorch, FastAPI, Ionic, Angular, Spring Boot, .NET
Soft Skills	Creative, Teamwork, Adaptability, Problem-solving
Other skills	Marketing, Business, Management, Tutoring

EXPERIENCE

Marketing Staff — Sep 2023 - Present
Nuwelco — *South Africa, North West, Stilfontein*

- Assisting Nuwelco in marketing their manufacturing products.
- Brought Nuwelco to the attention of a much larger audience via LinkedIn marketing (Check page).

CMPG 212 Tutor — Feb 2023 - Jun 2023
North-West University — *South Africa, North West, Stilfontein*

- Conducted tutoring sessions to support individuals facing challenges with the given programming practicals.
- I created videos to assist students who were too shy to ask questions and made myself available on WhatsApp to answer any queries as needed.

PROJECTS

Angular Ionic Weather Web App: Created a responsive weather web app with Angular and Ionic, leveraging weatherAPI for real-time, location-based data. Styled with SCSS, integrated GPS, and hosted on Netlify with GitHub for version control. (Netlify link).

Dog breed classification: Used TensorFlow, Jupyter Notebooks, and Python to create a deep learning model that can classify dog breeds (Check GItHub page).

Spring Boot Micro Service: Developed a Spring Boot microservice with Neo4j Aura, using Java, Maven, GitHub Actions, AWS CDK with JavaScript/NPM for IaC, and tested with Postman. Executed Cypher queries and managed code in GitHub with IntelliJ and VSCode.

OTHER ACTIVITIES

- Music: I play the violin and piano and have a passion for singing opera.
- Technology: I enjoy building computers and experimenting with 3D printing.
- Games: In my free time, I like to play video games.