Curriculum Vitae Of Khwatsi Faith Chauke

Creative Engineer | Full-Stack, Data & Security 📍 Johannesburg, South Africa | 📧 11faith.c@gmail.com | 📱 +27 69 318 6446 🌐 **Portfolio:** https://rikotse.github.io/My-Porfolio | 🔗 **LinkedIn:** https://www.linkedin.com/in/khwatsi-chauke-4576b9295 | 🐙 **GitHub:** https://github.com/rikotse

Professional Summary

I define myself as a **Creative Engineer** because I operate at the intersection of **Software, Data, and Security**. While many developers focus on just one aspect, I view them as the three pillars of modern engineering. I use **Full-Stack Development** to build the "body" of an application, **Data Engineering** to give it a "brain," and **Cybersecurity** principles to provide the "shield." Currently completing a dual-track specialization at ALX, I combine technical rigor with a creative, user-centric mindset to build resilient, intuitive systems.

Technical Arsenal

- *The Engineering (Logic):* Python, SQL (MySQL/PostgreSQL), Django, Flask, REST APIs, ETL Pipelines.
- *The Creative (Design):* JavaScript (ES6+), HTML5, CSS3 (Animations/Grid/Flexbox), Responsive Web Design, UI/UX Principles.
- *Tools & Platforms:* VS Code, Antigravity, Netlify, Render, PythonAnywhere, AWS (Cloud Essentials).

Featured Projects

Proving the intersection of Form and Function

Khwatsi Krafts (E-Commerce Platform) | *Founder & Lead Developer*

- *The Logic:* Engineered a JavaScript-based cart system with `localStorage` persistence to manage complex state without a database.
- *The Creative:* Designed a mobile-first, appetizing user interface with smooth filtering animations to enhance the dining experience.

Task Master Application | *Productivity Tool*

- *The Logic:* Architected a **Flask** backend to handle secure user authentication (Login/Signup) and CRUD operations for task management.
- *The Creative:* Crafted a minimalist, distraction-free UI designed specifically to reduce cognitive load for users.

Virtual Zen Garden | *Interactive Experience*

- *The Logic:* Implemented dynamic DOM manipulation and Audio API integration to control soundscapes programmatically.
- *The Creative:* Translated abstract concepts of "wellness" into functional code, creating a calming user experience (UX) with interactive features.

Education

ALX Dual Major Fellow | *Present*

- **Specialization:** Dual Major in **Data Engineering** & **Cybersecurity**.
- **Focus:** Building scalable data pipelines, secure backend architectures, and analyzing threat vectors while developing full-stack applications.

FNB App Academy (Full-Stack Development) | *Completed*

- Intensive Bootcamp focusing on Agile development and rapid prototyping.
- *Key Achievement:* Deployed first full-stack application within 3 weeks.

University of South Africa (UNISA)

- Bachelor of Arts in Development Studies (2nd Year) | Average: 76%

Why Hire Me?

- **Triple Threat:** I speak the language of Designers, Data Engineers, and Security Analysts.
- **User-Obsessed:** I believe a powerful backend is useless if the frontend confuses the user.

- **Rapid Learner:** Successfully transitioned from self-taught HTML to building Python backends, Data pipelines, and Security protocols simultaneously.