Curriculum Vitae Of Khwatsi Faith Chauke

Creative Engineer | Full-Stack Developer & Data Specialist 📍 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 am a **Creative Engineer** who bridges the gap between complex data logic and intuitive design. While many developers focus on either backend structure or frontend aesthetics, I integrate both. Currently an **ALX Data Engineering Fellow**, I combine robust backend architecture (Python/SQL) with seamless user experiences. I don't just write code; I craft scalable, user-centric solutions. I am seeking a role where I can apply this dual skillset to build intelligent, beautiful software.

Technical Arsenal

- *The Engineering (Logic):* Python, SQL (MySQL/PostgreSQL), Django, Flask, REST APIs, Git & GitHub, Data Structures.
- *The Creative (Design):* JavaScript (ES6+), HTML5, CSS3 (Animations/Grid/Flexbox), Responsive Web Design, UI/UX Principles, Figma (Basic).
- *Tools & Platforms:* VS Code, Postman, Netlify, Render, PythonAnywhere.

Featured Projects

Proving the intersection of Form and Function

Lorraine's Restaurant Web App | *Full-Stack Solution*

- *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.
- *Tech Stack:* HTML, CSS, JavaScript, DOM Manipulation.

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.
- *Tech Stack:* Python, Flask, SQL, CSS3.

Virtual Zen Garden | *Interactive Experience*

- *The Logic:* Implemented dynamic DOM manipulation and Audio API integration to control soundscapes programmatically.
- *The Creative:* Created an immersive, calming environment using advanced CSS styling and responsive layouts.
- *Tech Stack:* JavaScript, Audio API, HTML5/CSS3.

Education

ALX Software Engineering (Data Engineering Fellow) | *Present*

- Focus: Big Data, ETL Pipelines, SQL, and Cloud Computing.
- *Key Achievement:* consistently applying engineering logic to solve complex data problems.

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?

- **Dual Perspective:** I speak the language of both designers and engineers.
- **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 and Data Engineering pipelines.