KULANI EUGENE NGHONDZWENI

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PROFESSIONAL SUMMARY

Seasoned and committed Software Engineering student at WeThinkCode_ with experience in backend development, full-stack applications, and data analysis. I am skilled in Python, Java, SQL, and Git, with a proven ability to build scalable REST APIs, data-driven tools, and responsive web applications. I am proficient in working with relational databases, object-oriented programming, and data visualization.

FORMAL EDUCATION

I am currently pursuing a Software Engineering qualification at WeThinkCode_ in Cape Town, South Africa, with an expected completion date of 2025. I completed my Certificate of Higher Education (Sciences) at DZJ Mtebule Secondary School in Tzaneen, Limpopo, in 2021.
I am currently working towards the Microsoft Azure Fundamentals (AZ-900) certification. I am Fluent in English and Xitsonga, and Conversational in Zulu and Sepedi.

PREVIOUS PROJECTS

HTML, CSS, JavaScript

I designed and developed a fully responsive personal website to showcase my projects, skills, and experience. The features include smooth navigation, role animations, interactive project modals, and a clean UI/UX design. This project demonstrates my front-end development skills and attention to responsive design principles. I plan future improvements, including blog integration, a downloadable CV, and backend API services.

Data Pipeline Demo (ETL Project), Python, SQL, Pandas

I built a simplified ETL (Extract, Transform, Load) pipeline as part of a Data Engineering elective. This involved extracting data from CSV files, transforming it using the Pandas library, and loading it into a relational SQL database. This work demonstrated data cleaning, schema design, and batch data processing using Python, and the pipeline was designed with scalability and modularity in mind for future data sources.

Networking Chat App, Java, Sockets

I developed a real-time client-server chat application using Java socket programming. The application supported multiple clients with basic command handling and messaging. I implemented server-side thread handling and client broadcasting logic, building it to demonstrate my understanding of network protocols and concurrency in Java.
certifications and languages

PROFESSIONAL EXPERTISE

My key competencies include Software Engineering encompassing full-stack development, OOP, version control, and problem-solving. In Backend Development, I am skilled in designing REST APIs, relational database design, and system architecture, specifically using Flask and JDBC.

I have experience in Data Analysis & Engineering through developing SQL queries, using Pandas and Matplotlib, and performing ETL processes and reporting. I am actively developing skills in Cloud & DevOps, focusing on Microsoft Azure, Docker, and CI/CD fundamentals. I excel in Collaboration & Agile environments, utilizing GitHub workflows and maintaining strong technical communication. My technical expertise is grounded in various languages, frameworks, and concepts. Languages I work with include Python, Java, SQL, JavaScript, HTML, and CSS. I use Frameworks/Tools such as Flask, JDBC, REST APIs, Git, and GitHub. I am proficient with Databases including MySQL, PostgreSQL, and SQLite. My understanding of technical Concepts covers Data Structures & Algorithms, Relational Databases, and Backend Architecture. I am currently learning Cloud & DevOps tools such as Microsoft Azure, Docker, and CI/CD fundamentals.

REFERENCES

References will be rendered upon request.