Simanye Somdaka

SOFTWARE ENGINEER | BACKEND & CLOUD FOCUSED

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SUMMARY

Detail-oriented Software Engineer with strong engineering principles and focus on backend and cloud development. Experience in leading teams and taking initiative on projects. Skilled in creating scalable, secure solutions with a passion for system optimization and cloud infrastructure design.

PROFESSIONAL EXPERIENCE

SOFTWARE ENGINEERING INTERN   LC Studio, Lansdowne, Cape Town, South Africa | **September 2024 - Present**

Key Responsibilities:

✓ Leadership & Architecture:
• Led frontend development using Flutter while providing consultative insights on backend architecture
• Recommended AWS Lambda, S3, Kubernetes, and Docker for hosting and CI/CD solutions
• Mentored teammates and drove engineering best practices in an Agile team environment

✓ Technical Contributions:
• Designed and implemented scalable architecture with emphasis on security and performance
• Developed RESTful API integrations with optimized caching to reduce load times by 30%
• Implemented CI/CD pipelines using GitHub Actions for automated testing and deployment

FULL-STACK DEVELOPER (CAPSTONE PROJECT)   Life Choices Academy, Lansdowne, Cape Town, South Africa | **August 2024 - September 2024**

Project: FortuneTrack (AI-driven stock market analysis platform)

✓ Architecture & Development:
• Built a full-stack solution using Vue.js, Node.js, Express.js, and MySQL
• Implemented JWT authentication, role-based access control, and secure token refresh
• Created RESTful APIs for fetching and processing real-time stock market data
• Deployed using Firebase Hosting with automated data updates via GitHub Actions

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EDUCATION

DIPLOMA IN ICT: APPLICATIONS DEVELOPMENT   Cape Peninsula University of Technology, District Six, Cape Town, South Africa | **January 2025 - Present**

FULL-STACK WEB DEVELOPMENT BOOTCAMP   Life Choices Academy, Lansdowne, Cape Town, South Africa | **April 2024 - September 2024**

COURSES AND CERTIFICATES

AWS SKILLS CENTER - CLOUD PRACTITIONER: FOUNDATIONS   Amazon Web Services, City Centre, Cape Town, South Africa | **Issued: November 2024**

PYTHON & C++ ESSENTIALS   Cisco Networking Academy, Online | **Issued: November 2024**

LC STUDIO ACHIEVEMENT - SCRUM & UI/UX   LC Studio, Lansdowne, Cape Town, South Africa | **Issued: October 2024**

SKILLS

✓ Backend: Node.js, Express.js, RESTful APIs, Authentication & Security | ✓ Cloud & DevOps: AWS (Lambda, EC2, S3), CI/CD, Cloud Security |
✓ Programming: JavaScript, Python, C++, C#, HTML/CSS | ✓ Databases: MySQL, Database Optimization, Data Architecture |
✓ Frontend: Vue.js, React, Flutter | ✓ Tools & Methodologies: Git/GitHub, SDLC, Agile/Scrum |
✓ Specialized Skills: Data Visualization, System Design & Architecture

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LANGUAGES

English | Xhosa | Afrikaans | Sotho

REFERENCES

AVAILABLE UPON REQUEST