

# THABISO MATSABA

## Junior DevOps Engineer

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### PROFESSIONAL SUMMARY

Junior DevOps Engineer with hands-on experience in building and managing scalable cloud infrastructure on GCP and AWS. Proven ability to implement "CI/CD pipelines", containerize applications with Docker, and automate deployments. Strong foundation in software development (Python, Java) and certified in both Google Cloud and AWS.

### EDUCATION

**National Diploma in ICT: Applications Development** | Jan 2020 - February 2023

Cape Peninsula University of Technology

Focus: Software Development, Database Management, System Analysis & Design.

### TECHNICAL SKILLS

**DevOps & Cloud Infrastructures:** Google Cloud Platform (Compute Engine, Cloud Run, GKE, Cloud Build) • AWS (EC2, S3, Lambda) • Infrastructure as Code (Terraform) • CI/CD Pipelines • Google Cloud Build • GitHub Actions

**Containerization & Orchestration :** Kubernetes • Docker • Docker Compose • Container Registry • Cloud Run • Microservices Architecture.

**Automation & Scripting :** Linux • Python • Bash/Shell Scripting • JavaScript/Node.js • Configuration Management • Automated Testing • Deployment Automation.

**Monitoring & Logging :** Google Cloud Monitoring • Cloud Logging • Application Performance Monitoring • Log Analysis • Alert Configuration • System Observability.

**Version Control & Collaboration :** Git • GitHub • GitLab • Code Review • Branch Management • Pull Request Workflows • Agile/Scrum.

**Development Background:** Java • Spring Boot • RESTful APIs • Database Management (MySQL, PostgreSQL, MongoDB) • Full Stack Development.

### PROFESSIONAL CERTIFICATIONS

[Google Associate Cloud Engineer](#) | [AWS Certified Cloud Practitioner](#) | [Google Cloud Digital Leader](#) | [Fortinet Certified Associate Cybersecurity](#) | [SAP S/4HANA Financial Accounting and Controlling \(FICO\)](#).

### PROFESSIONAL EXPERIENCE

#### Google Cloud Infrastructure Intern - C2 Operations

Liquid C2 (Cassava Technologies) - Leading Pan-African Technology Group

May 2024 - January 2025

- Designed and implemented scalable cloud infrastructure solutions using Google Cloud Platform, directly contributing to 30% reduction in server response times and 15% increase in customer satisfaction scores.
- Contributed to enterprise cloud migration initiatives, helping clients transition from legacy systems to modern cloud-native architectures.

## Software Developer Intern

### CAPACITI Tech Career Accelerator (UVU Africa) - Leading African Tech Talent Development Initiative

*July 2023 - January 2024*

- Developed robust full-stack web applications using comprehensive technology stack including Java, Python, HTML5, CSS3, and JavaScript for enterprise-level solutions.
- Applied Scrum methodologies to optimize development workflows, delivering five full-stack features ahead of schedule within three-month sprint cycles.
- Gained hands-on experience with modern software architecture patterns and enterprise-level development practices

## KEY PROJECTS

### Cloud Explorer - Cross-Platform Mobile Learning Application | CloudExplorer

*GCP • Docker • Cloud Build • Terraform • Firebase • Kubernetes | January 2025 - Present*

- Architected a comprehensive cross-platform mobile application for iOS and Android using React Native to teach cloud computing concepts for GCP, AWS, and Azure through interactive learning.
- Implemented secure user authentication with Firebase, progress tracking, push notifications, and personalized learning paths with real-time data synchronization.
- Engineered scalable microservices backend architecture on GCP utilizing Compute Engine, Cloud Storage, Firestore, and Cloud Run for containerized deployment.
- Integrated GEMINI API and TensorFlow for AI-powered generation of interactive learning content and adaptive assessments.
- Established comprehensive CI/CD pipeline using Google Cloud Build for automated testing, building, and deployment processes.

### PharmacyApp - Full Stack Healthcare Management Solution | PharmacyApp

*Docker • AWS EC2 • MySQL • CI/CD • Nginx | January 2023 - December 2023*

- Containerized full-stack pharmacy management application using Docker with separate containers for frontend (Angular), backend (Spring Boot), database (MySQL), and reverse proxy (Nginx)
- Deployed production infrastructure on AWS EC2 with auto-scaling groups, load balancers, and CloudWatch monitoring, achieving 99.8% uptime.
- Implemented comprehensive features including customer management, inventory tracking, prescription processing, invoice generation, and multi-role user management