

OLEBOGENG MOKOMA

Cloud & DevOps Engineer | Pretoria, Gauteng | 083 215 2737 | olemokoma@gmail.com

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<https://oleportfolio.com>

PROFESSIONAL SUMMARY

I am a results-oriented Cloud and DevOps Engineer specialized in the architectural design and operational support of high-availability systems. With a background in Systems Development and professional certifications in OCI and Microsoft DevOps, I bridge the gap between complex software engineering and cloud-native reliability.

My expertise lies in stabilizing production-grade environments through Infrastructure as Code (Terraform) and managing containerized workloads in Managed Kubernetes (EKS/AKS/OKE). I am passionate about moving beyond manual troubleshooting toward automated self-healing systems, ensuring 99.9% uptime for business-critical applications

TECHNICAL SKILLS

- Cloud Platforms: Oracle Cloud Infrastructure (OCI Architect Associate), Microsoft Azure (AZ-400), AWS.
- DevOps & Automation: Terraform (IaC), Ansible, Jenkins, GitHub Actions, GitLab CI/CD, Docker, Kubernetes
- Development & AI: Python, PHP, MySQL, Bash, OCI, Node JS, React, Typescript, Java, API management.
- Containerization: Docker, Docker Swarm, Kubernetes

PROFESSIONAL EXPERIENCE & TECHNICAL PROJECTS

Independent Cloud & DevOps Engineering | Hybrid | Oct 2025 – Present

- Kubernetes Platform Operations: Orchestrate and support containerized workloads on a managed cloud platform, focusing on pod health, node scaling, and image optimization to ensure high availability.
- Monitoring & Observability Pipeline: Designed and deployed a full-stack monitoring solution to track system health and performance, enabling proactive incident response and root-cause analysis
- Cloud Application Refactoring (PaaS): Refactored monolithic architectures to leverage PaaS models, decoupling components to utilize managed databases and cloud-native web services, which reduced operational overhead
- AWS Infrastructure Migration (IaaS): Executed a "Lift-and-Shift" migration of on-premises workloads to AWS EC2 and VPC environments. Used Terraform (IaC) to provision secure, reproducible environments while maintaining strict cost governance
- CI/CD & API Integration: Engineered automated code-to-cloud pipelines using GitHub Actions, integrating FAST APIs, for real-time data processing and seamless content updates.
- Professional Portfolio: Developed and deployed a cloud-hosted portfolio at <https://www.google.com/search?q=oleportfolio.com> to showcase automated infrastructure and DevOps methodologies

Project Lead & Backend Developer | AB4IR | April 2025 – Sept 2025

- Team Leadership: Served as Project Lead for a 4-member team, overseeing backend architecture and operational documentation for an insurance-management system.
- Security Architecture: Designed a normalized MySQL schema and implemented a PHP backend with session-based authentication and Role-Based Access Control (RBAC).
- Automation: Authored secure SQL seed scripts for environment bootstrapping to ensure data integrity.

Full Stack Developer | FNB App Academy / IT Varsity | May 2025 – July 2025

- Development: Built 5+ web applications using Python and JavaScript, integrating third-party REST APIs for real-time data processing.
- Methodology: Applied SDLC, UX design, and Design Thinking to deliver user-centric software solutions.

CERTIFICATIONS & EDUCATION

- Oracle Cloud Infrastructure 2025 Architect Associate(82%)
- OCI AI Foundations Associate (Score: 88%)
- OCI Foundations Associate (Score: 68%)
- Full Stack Development Certificate (IT Varsity / FNB App Academy)
- Master DevOps with AI, AWS, & GitOps (Udemy - In Progress)
- Microsoft Certified: DevOps Engineer Expert - Nemisa (86%)
- LLB - UNISA