

Kamohelo Maphela

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GitHub: github.com/Kamohelo02

Portfolio: kamohelo02.github.io/Software-Engineer-Web-Portfolio/

Professional Summary

Software Engineer with experience in cloud platforms including AWS and Oracle Cloud Infrastructure (OCI). Skilled in object-oriented programming, system analysis and design, and full-stack development. Strong background in building scalable applications and user interface development. Certified in OCI Foundations and AWS Cloud fundamentals. Currently pursuing Microsoft Fabric Data Engineer Associate certification.

Education

Bachelor of Science in Information Technology

North-West University

Completed: 2025

Relevant Coursework: Object-Oriented Programming, System Analysis and Design, Structured Programming, User Interface Programming, Web Development, Data Structures and Algorithms

Technical Skills

Programming Languages: Python, Java, C++, C#, HTML, CSS, SQL

Frameworks & Tools: ASP.NET, .NET Framework, Git, Microsoft Excel

Cloud Platforms: Amazon Web Services (AWS), Oracle Cloud Infrastructure (OCI)

Databases: SQL, Oracle, Database Management Systems

Software Development: System Analysis and Design, Web Development, Object-Oriented Programming, Full-Stack Development

Certifications

Oracle Cloud Infrastructure 2025 Certified Foundations Associate

Oracle | Issued: September 2025

<https://catalog-education.oracle.com/ords/certview/sharebadge?id=1B02C0C0A6F570252AF6BDF16C96376FB9ECE9A430E5F39CF8F17BF96B55DE0B>

AWS Educate Introduction to Cloud 101

Amazon Web Services | Issued: August 2025

https://www.credly.com/badges/567425a2-7b86-4b97-8876-2e8e19899196/linked_in_profile

Microsoft Fabric Data Engineer Associate (In Progress)

Expected Completion: 2025

Projects

Anti-Money-Laundering (AML) System

Personal Project | 2025

- Developed batch processing platform monitoring customer transactions for money laundering patterns
- Implemented compliance report generation system with automated alerting capabilities
- Built scalable backend architecture using Python and SQL for transaction analysis
- Designed user interface for compliance officers to review flagged transactions

Healthcare Access Smart Appointment System Backend

Academic Project | 2025

- Created smart appointment booking system for NWU Health Centre serving student population
- Streamlined booking process reducing appointment scheduling time by implementing efficient algorithms
- Developed RESTful backend architecture for appointment management and healthcare service coordination
- Integrated database management system for patient records and appointment tracking

Software Engineer Web Portfolio

Personal Project | 2025

- Designed and developed responsive personal portfolio website using HTML, CSS, and JavaScript
 - Showcased software engineering projects and technical skills with interactive demonstrations
 - Implemented clean, maintainable code following web development best practices
 - Deployed portfolio using GitHub Pages for continuous integration
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Work Experience

Software Development Projects

Independent & Academic Projects | 2022 - 2025

- Designed and developed full-stack applications using Python, Java, C#, and web technologies
 - Implemented object-oriented programming principles and design patterns in software solutions
 - Collaborated on team-based academic projects using version control (Git) and agile methodologies
 - Created user interfaces and conducted system analysis for various software applications
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Languages

English (Fluent) | IsiZulu (Fluent) | SeSotho (Fluent)