

VINCENT OMONDI OWUOR

AWS Certified Cloud Practitioner | Full-Stack Developer

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LinkedIn | GitHub | Portfolio | Credly

PROFESSIONAL SUMMARY

Multi-Cloud Certified Professional (AWS & Oracle Cloud Infrastructure) with proven project-based experience developing scalable web applications. Specialized in **AWS serverless architecture**, **Oracle Cloud Infrastructure**, and **M-Pesa mobile payment integration**. Delivered enterprise solutions achieving **99.9% uptime**, **95+ Lighthouse scores**, and serving **1,000+ concurrent users**. Expert in React, TypeScript, fintech payment processing, and Infrastructure as Code with demonstrated results in multi-cloud environments.

EDUCATION

Bachelor of Science in Information Technology

Masinde Muliro University of Science & Technology

2022 - 2026

Comprehensive program in software engineering, systems design, and cloud computing with focus on data structures, algorithms, networking, and database development.

AWS Cloud Practitioner

AWS Re/Start

Jan - May 2025

Intensive 12-week cloud computing bootcamp covering AWS core services (EC2, Lambda, S3, RDS, DynamoDB), security, compliance, and cost management.

Software Development

eMobilis Technology Training Institute

Oct 2025 - Jan 2026

Full-stack development program focused on Python/Django backend, frontend technologies, database optimization, and production-ready application architecture.

TECHNICAL SKILLS

Languages & Frontend: JavaScript ES6+, TypeScript, C#, Python, React 19, Next.js, Tailwind CSS, HTML5, CSS3

Backend & Cloud: ASP.NET MVC, Node.js, AWS (Lambda, S3, DynamoDB, EC2, RDS), Oracle Cloud Infrastructure, Terraform

Database & Fintech: MySQL, SQL Server, MongoDB, M-Pesa Daraja API, Mobile Payment Processing, OAuth, STK Push

Tools: Git, Docker, Linux, Agile/Scrum, Figma, RESTful APIs, Serverless Architecture

PROFESSIONAL EXPERIENCE

Full Stack Engineer

Freelance

May 2024 - Present

- Developed **responsive web applications** using React and TypeScript, achieving **99.9% uptime** and **sub-3-second response times**
- Built **serverless applications** with AWS Lambda, S3, and DynamoDB for scalable cloud architecture
- Implemented **WCAG 2.2 AA accessibility standards** across all projects
- Deployed applications on **AWS S3 and EC2**, ensuring scalability and reliability

Software Engineering Attachee

Optimum Computer Systems Limited

May 2025 - Aug 2025

- Developed **enterprise ERP solutions** using C# and ASP.NET MVC, serving **1,000+ concurrent users** across multiple institutions
- Collaborated with a team of **4 developers** in Agile SDLC environment
- Optimized database queries in **SQL Server**, significantly improving response times
- Implemented **security best practices** and performance optimization in production environments

Industrial Trainee - Network Infrastructure

Masinde Muliro University of Science & Technology

May 2024 - Aug 2024

- Executed comprehensive **network infrastructure upgrade** serving **500+ users**, significantly improving connectivity performance
- Configured **enterprise-grade routers and switches** following IEEE standards
- Provided **Level 2 technical support** to faculty and staff with rapid issue resolution
- Documented network procedures and maintenance protocols for improved operations

KEY PROJECTS

EduCore Academic Management System

ASP.NET MVC, Entity Framework, SQL Server | Optimum Computer Systems | Role: Team Lead & Scrum Master

Led and managed **cross-functional team of 4 developers** during attachment at Optimum Computer Systems, delivering project ahead of schedule

Designed **normalized database schema** with role-based access control for educational institutions, supporting **1,000+ concurrent users**
Achieved **sub-2-second response times** through optimized SQL queries and performance tuning

Terraform AWS 3-Tier Infrastructure

Terraform, AWS VPC, EC2, RDS MariaDB, Multi-AZ Deployment | **GitHub**

Deployed **production-ready 3-tier web architecture** using Terraform automation for efficient infrastructure management
Implemented **enterprise security** with network segmentation and Multi-AZ deployment for high availability
Optimized AWS costs through **resource right-sizing** and efficient architecture design

CERTIFICATIONS & ACHIEVEMENTS

AWS Certified Cloud Practitioner (Valid until 2028) | **Oracle Cloud Infrastructure Foundations Associate** (2025) | **Oracle AI Foundations Associate** (2025) | **AWS re/Start Graduate** | **Cisco Cybersecurity** | **IBM AI Fundamentals**

Key Achievements: Multi-Cloud Architecture (AWS & Oracle Cloud) • M-Pesa Payment Integration • Team Leadership (4-developer Scrum Master) • Enterprise Solutions (1,000+ concurrent users)