

MIKE OWINO

Software Engineer | SaaS Architect | Full-Stack Developer

Location: Eldoret, Kenya

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PROFESSIONAL SUMMARY

Software Engineer and SaaS Architect with 5+ years of experience designing, developing, and deploying enterprise software solutions. Founder and lead developer behind multiple commercial SaaS products including a multi-tenant HR Management System, School Management Systems, and a Law Firm Management System serving active paying customers. Experienced in full-stack development, cloud infrastructure, DevOps, system architecture, and business process automation using Next.js, React, TypeScript, Node.js, PostgreSQL, AWS, Docker, Linux, and modern CI/CD practices.

Successfully designed and deployed multiple commercial SaaS products including an advanced HR Management System, School Management Systems, and a Law Firm Management System serving paying customers. Skilled in building secure, high-performance applications using modern technologies such as Next.js, React, Node.js, TypeScript, Django, AWS, Docker, and SQL databases.

Strong background in software architecture, cloud deployment, CI/CD implementation, and business process automation.

CORE COMPETENCIES

- Full-Stack Software Development
 - SaaS Product Development
 - Multi-Tenant Architecture
 - System Design & Software Architecture
 - DevOps & Cloud Infrastructure
 - CI/CD Implementation
 - API Development & Integration
 - Database Design & Optimization
 - Cloud Deployment (AWS, Azure, GCP)
 - Linux Server Administration
 - Cybersecurity & Network Administration
 - Agile Development
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PROFESSIONAL EXPERIENCE

Software Engineer & Systems Architect

Independent SaaS Products & Enterprise Solutions

November 2021 – Present

Lead the design, development, deployment, and maintenance of multiple SaaS products and enterprise platforms.

Key Achievements

HR Management System (Multi-Tenant SaaS)

- Designed and developed a comprehensive HRMS platform supporting payroll, leave management, attendance, recruitment, employee self-service, document management, and performance tracking.
- Implemented role-based access controls and tenant isolation.
- Built analytics and reporting modules for management decision-making.
- Deployed cloud infrastructure with automated backups and monitoring.

School Management Systems

- Developed and deployed multiple advanced multi-tenant school management platforms.
- Features include student admissions, finance, examinations, reporting, attendance tracking, parent portals, and academic management.
- Successfully onboarded multiple paying institutions.

Law Firm Management System

- Developed a complete legal practice management platform.
- Supports case management, client management, billing, document storage, task assignment, and legal workflow automation.
- Currently used by active paying clients.

Other SaaS Products

- Built custom business management solutions for SMEs.
- Developed workflow automation systems and business intelligence dashboards.
- Implemented secure cloud hosting and deployment pipelines.

Technologies Used

Next.js, React, Node.js, TypeScript, PostgreSQL, MySQL, Docker, Microsoft SQL Server, AWS, Linux, Git, REST APIs, CI/CD

TECHNICAL SKILLS

Programming Languages TypeScript, JavaScript (ES6+), PHP, Python, Java, C#, Kotlin, SQL, Bash Scripting

Front-End Development React.js, Next.js, HTML5, CSS3, Tailwind CSS, Bootstrap, jQuery, Redux, React Native, Angular, Vue.js

Back-End Development Node.js, Express.js, Django, Flask, Laravel, REST APIs, GraphQL, Authentication & Authorization, Multi-Tenant Application Architecture

Databases PostgreSQL, MySQL, MongoDB, Database Design, Query Optimization, Data Modeling

DevOps & Cloud Amazon Web Services (AWS), Microsoft Azure, Google Cloud Platform (GCP), Docker, Coolify, Linux Server Administration, Nginx, SSL Management, CI/CD Pipelines, GitHub Actions, Infrastructure Deployment, Backup & Disaster Recovery, Monitoring & Logging

Version Control & Collaboration Git, GitHub, GitLab, Agile Development, Software Documentation

Enterprise & SaaS Development SaaS Product Development, HR Management Systems, School Management Systems, Legal Practice Management Systems, ERP & Business Management Solutions, Payroll Systems, Attendance Management Systems, Recruitment & HR Automation, Workflow Automation

Networking & Cybersecurity Network Administration, LAN/WAN Configuration, VPN Management, Firewall Configuration, Cybersecurity Policies, Access Control Systems, CCTV Systems Administration, Security Auditing

CMS & Web Platforms WordPress Development, Theme Customization, Plugin Development, SEO Optimization

Reporting & Document Management PDF Generation (Dompdf), Document Management Systems, Data Analytics & Reporting, Dashboard Development

IT Officer

TAI Enterprises – Civil Engineering Company

May 2024 – Present

- Manage enterprise IT infrastructure, networking, and cybersecurity.
- Administer physical and virtual servers.
- Implement network security policies and monitoring solutions.
- Oversee CCTV infrastructure and access control systems.
- Lead IT support operations and technology planning.

Front-End Developer

GavoFoods International

March 2023 – Present

- Developed and maintained responsive web applications.
- Integrated front-end systems with Django back-end services.
- Managed website deployments and server infrastructure.
- Maintained WordPress platforms and custom integrations.
- Optimized database performance and application reliability.

System Administrator

National Hospital Insurance Fund (NHIF)

January 2020 – March 2020

- Managed server infrastructure and system availability.
 - Configured network security and endpoint protection.
 - Installed and maintained enterprise software and hardware.
 - Supported organizational IT operations and troubleshooting.
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EDUCATION

Bachelor of Science in Business Information Technology

Dedan Kimathi University of Technology

2017 – 2021

CERTIFICATIONS

- Cyber Operations and Warfare – Cisco Networking Academy
 - NDG Linux Essentials – Linux Professional Institute
 - Computer Networking & Telecommunications – Cisco Networking Academy
 - AWS Cloud & Architecture Training
 - AWS Security & Infrastructure Training
 - Software Development & Cloud Technologies (Codecademy)
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SELECTED PROJECT HIGHLIGHTS

Enterprise HR Management System

A complete multi-tenant HR platform featuring payroll processing, leave management, recruitment, employee records, performance management, attendance tracking, and advanced reporting.

Multi-Tenant School Management Platform

End-to-end academic and financial management solution supporting multiple institutions from a single platform architecture.

Law Firm Management System

Legal practice automation platform for managing clients, cases, billing, documents, tasks, and legal workflows.

Custom Business Solutions

Development of bespoke business automation systems, workflow management platforms, and cloud-hosted enterprise applications for SMEs.

References available upon request.