

# Austin Odhiambo Makachola

Systems Developer | Enterprise & Institutional Software Systems

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## Professional Summary

Systems Developer with hands-on experience designing, developing, deploying, and maintaining **robust, secure, and scalable software systems** that support organizational operations and technical infrastructure. Strong proficiency in **JavaScript-based backend and frontend development (Node.js, Express, React)**, relational databases, and Linux-based environments. Experienced in system integration, API development, deployment automation, and secure access control. Demonstrated ability to collaborate with cross-functional teams, document systems, and deliver reliable solutions aligned with institutional and compliance requirements.

## Technical Skills

### Programming & Web Technologies

- **Languages:** JavaScript (ES6+), TypeScript
- **Frontend:** React, HTML5, CSS3, Tailwind CSS
- **Backend:** Node.js, Express.js
- **Web Services:** RESTful APIs, Webhooks, Authentication & Authorization

### Databases & Data Management

- **Relational Databases:** PostgreSQL, MySQL
- **NoSQL:** MongoDB
- **Caching:** Redis (basic usage)

### Systems, DevOps & Infrastructure

- **Operating Systems:** Linux (deployment, configuration, troubleshooting)

- **Containerization:** Docker
- **CI/CD:** Automated build and deployment pipelines (GitHub Actions)
- **Version Control:** Git (GitHub)

## Engineering Practices

- Secure system design (JWT, role-based access control)
- Modular and maintainable system architecture
- Environment-based configuration management
- System documentation and process standardization
- Cross-functional collaboration (IT, DevOps, QA, Operations)

## Experience

### System Developer – Nexa Intel Ltd (Full-Time)

Aug 2024 - Present

- Designed, developed, tested, and maintained **system-level web applications and backend services** supporting organizational operations.
- Built and maintained **RESTful APIs** using **Node.js, Express, and PostgreSQL**, ensuring reliability, scalability, and data integrity.
- Developed structured, maintainable **frontend interfaces** using React and Tailwind CSS for internal and external system users.
- Implemented **secure authentication and authorization mechanisms** (JWT, role-based access control).
- Containerized applications using **Docker** and implemented **CI/CD pipelines**, improving deployment consistency and reducing release time by approximately **40%**.
- Participated in system design discussions, performance optimization, and documentation of system architecture and processes.

### Team Leader (Contract / Remote) – Letshego

Sept 2024 - Present

- Operated within a **regulated financial services environment**, ensuring strict adherence to operational, data, and compliance standards.
- Coordinated teams of 10-15 staff, supporting structured workflows and reliable service delivery.
- Improved internal processes, reducing turnaround time by **30-40%** through systematic workflow optimization.
- Ensured compliance with **AML/KYC requirements**, reinforcing strong data governance and audit readiness.

### **Part-Time CTO (Startup) – Jamco Software Agency Ltd**

**Jan 2025 - Present**

- Defined **engineering standards, system architecture guidelines, and secure development practices** for organizational systems.
- Oversaw design and maintenance of scalable, modular web applications and APIs.
- Guided deployment workflows, version control practices, and technical documentation.
- Provided technical oversight while supporting implementation planning and code reviews.

### **Technology Support – Mawingu Networks Ltd**

**Aug 2023 - Jul 2024**

- Provided technical support for **networked and server-based systems**, including deployment, monitoring, and troubleshooting.
- Assisted in maintaining operational reliability of IT infrastructure.
- Documented recurring technical issues and resolutions, reducing repeat support tickets by **18%**.
- Gained hands-on experience with **Linux systems, diagnostics, and operational support environments**.

## **Projects**

**WhatsApp AI Microservice - Smart Business Automation Platform**

[GitHub](#) | <https://github.com/codewithaustin1/whatsapp-ai-microservice>

- Designed and implemented a **system-integrated communication platform** to automate WhatsApp-based interactions.
- Developed backend services and **REST APIs** to handle message ingestion, processing, and response workflows.
- Integrated AI-assisted logic to improve response efficiency and consistency.
- Applied modular system design principles to support scalability, maintainability, and future integration.
- Deployed services in **containerized environments**, aligned with production and reliability requirements.

## Education

### Bachelor of Science in Applied Statistics & Computer Programming

Murang'a University of Technology, Kenya – 2023

- Strong foundation in **data modeling, statistical analysis, and algorithmic problem-solving**.
- Applied programming principles to structured data processing and system logic.
- Academic training supports **system analysis, performance evaluation, and data-driven software design**.

## Certifications

- Full-Stack Developer Certification - Mimo Platforms
- React Certification - Mimo Platforms
- Proactive Cybersecurity Certification - Letshego Holdings PLC