

MIKE JUNIOR AGOLA

Full-Stack Engineer

Nairobi, Kenya

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PROFESSIONAL SUMMARY

Senior Full-Stack Engineer with 5+ years of experience designing and delivering scalable, high-performance enterprise systems across fintech, banking, taxation, and government sectors. Strong expertise in frontend architecture (React, Angular) combined with solid backend engineering experience in .NET, Spring Boot, Laravel, and database-driven systems (PostgreSQL, Oracle, MySQL).

Proven ability to lead cross-functional teams, architect RESTful integrations, optimize performance, design workflows, and deploy production-grade systems with CI/CD pipelines. Adept at translating business requirements into secure, maintainable, and scalable solutions.

CORE TECHNICAL SKILLS

Frontend: JavaScript (ES6+), TypeScript, React, Angular, HTML5, CSS3, Tailwind CSS, Bootstrap responsive design, accessibility (WCAG fundamentals), cross-browser compatibility, performance optimization, state management

State & Data: SOAP, RESTful API design & integration, JSON, Redux (conceptual),

Backend & Platforms: C#, ASP.NET, Spring Boot (Java), Laravel (PHP), Node.js.

Workflow automation & business logic implementation, Authentication (OAuth,LDAP) & secure API consumption

Databases: PostgreSQL, Oracle, MySQL, SQL, MSSQL SERVER, Query optimization & schema configuration

DevOps & Tooling: Git, CI/CD pipelines, Shell Scripting, DevOps fundamentals

Quality & Performance: Responsive design, accessibility (WCAG fundamentals), performance optimization, browser debugging

Other: Graphics & UI design, system documentation, stakeholder training

PROFESSIONAL EXPERIENCE

E&M Technology House Ltd — *Lead Frontend Engineer*

Feb 2025 – Present | Nairobi, Kenya - Led frontend architecture and contributed to backend integrations for Recon-Master, an automated reconciliation platform for Equity Group and Family Bank processing thousands of daily fintech transactions.

Designed scalable UI architecture integrated with secure RESTful backend services.

Improved application performance by 30% through rendering optimization, query refinement, and efficient state handling. Collaborated on database configurations (PostgreSQL & Oracle) supporting financial reconciliation workflows.

Led engineering delivery for: Mazao Point of Sale (POS) System (full-stack implementation), Real Estate Property Management System for NCBA Bank (frontend architecture + backend integration), Conduct code reviews, enforce engineering standards, and mentor junior developers.

Support CI/CD release cycles and deployment to staging/test environments.

Ministry of Education — *Software Developer*

Feb 2023 – Feb 2024 - Contributed to the national digitization initiative migrating NEMIS to KEMIS using React with .NET backend services a systems that has transformed how learners data is used to inform the Kenyan government in key decisions in Education sector. Developed high-impact national systems including: Learners Registration System, Institution Registration System, ECDE Module, Bursary & Scholarship System, ElimuTrees (national environmental tracking system)

Integrated frontend modules with backend APIs and optimized SQL queries for reporting. Participated in backend module development and API integration. Provided technical training to teachers and administrators nationwide. Contributed to system documentation and workflow configuration manuals.

Kenya Revenue Authority (KRA) — *Case Monitoring Tool (CMT) Developer*

Jan 2022 – Dec 2022 – I designed and implemented business workflows supporting mission-critical tax operations. Gathered user requirements and translated them into full-stack solutions and Integrated systems with REST APIs and configured PostgreSQL & Oracle databases.

Migrated legacy systems to Laravel and Vue.js frameworks, reducing response times by 25%. Deployed releases to test environments and supported production stabilization. Optimized backend queries and frontend rendering performance. Provided technical support and conducted end-user training. Developed configuration documentation and setup manuals.

EDUCATION

Bachelor of Business in Information Technology

Zetech University — *Graduated November 2021(First Class Honors)*

CERTIFICATIONS

- CCNA 1, 2 & 3 — *July 2023*

- CyberOps — *August 2023*
 - Lean Six Sigma White Belt — *January 2023*
 - Certified Critical Infrastructure Protection Specialist
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LEADERSHIP & COMMUNITY

- Active participant in **Capital Markets Authority (CMA)** public sensitization programs (Inter-University Challenge).
 - Member, **Zetech I-Tech Club**, with focus on fintech, regtech, and emerging technologies.
 - Mentor to junior developers and young professionals through IT forums and community events.
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INTERESTS

Coding, Emerging trends, team building, reading inspirational literature, and technology podcasts.

Referees

Professional referee

Kenya Revenue Authority

Gerald Otieno Senior Supervisor)

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Professional referee

Ministry of Education

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