

JOHN MUINDE

**Full Stack Developer | API Specialist | AWS Cloud Solutions Architect | Cloud
Infrastructure & App Deployment**

[LinkedIn](#) | [GitHub](#) | [Portfolio](#)

CONTACT INFORMATION

Email: jhnmuinde@gmail.com

Remote Work: Globally Authorized

PROFESSIONAL PROFILE

Results-driven Senior Software Engineer with 4+ years of proven expertise in building scalable payment processing systems, APIs, and web applications for fintech, humanitarian organizations, and enterprise platforms. Demonstrated ability to architect and deploy solutions serving **1.5M+ active users** while maintaining 99.9% uptime. Specialized in modern web technologies with extensive cloud infrastructure experience.

Core Competencies: API Development | Payment Systems Architecture | Backend Infrastructure | Performance Optimization | Cloud Architecture | Security Implementation | Team Leadership

Technical Skills

Backend: Backend & APIs: Node.js, NestJS, TypeScript, PHP (Laravel, Native), REST APIs, Payment Processing, Server Architecture

Frontend: React.js, Next.js, Vue.js, Nuxt.js, JavaScript (ES6+), HTML5, CSS3, Responsive UI

Cloud & DevOps: AWS (EC2, S3, Lambda, RDS), Docker, Vercel, Railway, cPanel, Spanel, WHM, GitHub Actions, CI/CD, Serverless

Database: MySQL, PostgreSQL, MongoDB – Design, Optimization, Migration

Networking: CCNA Certified (Switching, Routing, Wireless)

PROFESSIONAL EXPERIENCE

Senior Software Engineer | Kotani Pay (Remote)

August 2025 - Present

- **Payment Infrastructure:** Architected and developed secure, scalable backend systems powering seamless payment experiences across multiple channels including mobile money (15 countries), traditional banking, card payments (10 currencies)
- **Backend Development:** Built payment link systems and robust payment processing APIs using Nodejs and TypeScript, handling high-volume transaction processing with real-time status tracking and monitoring
- **Financial Compliance:** Implemented PCI DSS compliance standards and security best practices for financial data handling, ensuring regulatory adherence across multiple markets
- **System Architecture:** Designed transaction processing workflows integrating with various payment providers and financial institutions, optimizing performance and reliability
- **Cloud Infrastructure:** Managed and architected cloud deployments across GCP, AWS, and VPS environments, ensuring 99.9% uptime for critical payment systems

Software Developer | Sheffield Africa Ltd (*On premise*)

November 2024 - August 2025

- **Performance Engineering:** Achieved 40% improvement in website traffic and search rankings through strategic Laravel/Vue.js optimizations, enhancing organic visibility across Google and Bing search engines
- **Application Development:** Built and maintained Laravel 10 + Vue.js 4 applications from conception through production deployment
- **Technical Leadership:** Provided architectural guidance and optimization strategies across multiple international projects
- **Cross-Functional Collaboration:** Coordinated with distributed teams to ensure seamless integration and performance standards

Software Application Developer | Jambo Pay (VesenComputing Solutions) (*Nairobi*)

May 2023 - November 2024

- **Humanitarian Technology:** Enhanced FAO Hand-in-Hand Initiative dashboard supporting UN Sustainable Development Goals for rural poverty monitoring and food security analysis
- **Large-Scale Platform Management:** Built and maintained fao.farmmagic.org serving **1.5+ million active users** with native PHP, ensuring robust performance and security compliance
- **Full-Stack Integration:** Developed Anga Cinemas POS system using Flutter, demonstrating cross-platform development capabilities
- **Payment System Architecture:** Implemented comprehensive payment solutions including M-PESA integration, Jambo Pay checkout, and B2B/B2C processing workflows
- **API Development:** Designed scalable RESTful APIs and administrative dashboards with advanced data analytics capabilities
- **Security Implementation:** Applied OWASP security standards and executed penetration testing remediation protocols

Full Stack Developer | Freelance Platforms (*Remote*)

January 2021 - July 2023

- **AI-Powered Solutions:** Developed Study Buddy educational platform integrating OpenAI for personalized learning experiences
 - **Enterprise Applications:** Created Tender Focus bid management system serving Kenyan market with comprehensive administrative interfaces
 - **E-Commerce Development:** Built scalable platforms including Conquerr marketplace and Ramah Heights hotel management system
 - **Innovation Projects:** Delivered Ishara AI sign language translation platform, demonstrating advanced machine learning integration
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CURRENT PORTFOLIO & DEPLOYMENTS

Production Applications on Production:

- <https://pay.kotani.live/pay/ktpa-5c1a6e56> - Fast payment processing system supporting bank deposits, mobile money across 15 countries and 10 currencies, and card payments (NestJS, Node.js, multi-cloud infrastructure)
 - <https://lumuintech.com> - Technology solutions platform (Modern web stack)
 - <https://ishara.co.ke> - AI-powered platform with machine learning models (Next.js, AWS infrastructure)
 - <https://fao.farmmagic.org> - Agricultural platform serving 1.5M+ users (Native PHP, enterprise-scale)
 - <https://sheffieldafrica.com> - Corporate website with 40% performance enhancement (Laravel/Vue.js)
 - <https://query-hub-frontend.vercel.app> - **Query Hub** - Advanced chatbot and data query platform (Next.js, active development)
 - <https://horecafitouts.com> - Commercial solutions platform (Nuxt.js)
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EDUCATION & PROFESSIONAL DEVELOPMENT

Bachelor of Science in Applied Computer Science

Daystar University | 2020-2023 | **GPA: 3.51/4.0 (Honors)**

- Second Highest GPA in Computer Science Department (2023)
- Most Creative Award for automated timetable generation system
- Dean's List recipient (2 consecutive terms)

Diploma in Business Information Technology

Strathmore University | 2020-2021 | **Grade: B+ (Merit)**

ALX AWS Cloud Computing Program

ALX Africa | 2024-2025

- **AWS Certified Solutions Architect**
 - Infrastructure design and cloud architecture patterns
 - Enterprise solutions and deployment strategies
 - High availability and fault-tolerant systems
- **AWS Certified Cloud Practitioner**
 - Cloud fundamentals and AWS core services
 - Security best practices and compliance
 - Cost optimization and billing management

Cisco Certified Network Associate (CCNA)

Tangaza College | 2020-2023

- Switching, Routing and Wireless Essentials
- Introduction to Networks
- Networking Essentials

KEY ACHIEVEMENTS & IMPACT

Financial Technology Leadership

- Architected payment processing systems handling multi-currency transactions across 15 countries
- Implemented PCI DSS compliant infrastructure for secure financial data handling
- Built scalable payment APIs supporting multiple payment channels (mobile money, cards, bank transfers)

Technical Leadership

- Acting CTO at VesenComputing Solutions, directing strategic technical initiatives
- Employee of the Year 2023 for exceptional performance and innovation delivery

Performance & Scale

- 40% measurable improvement in website traffic and search engine rankings
- Successfully architected applications serving 1.5M+ concurrent users
- Optimized page load times and SEO performance across multiple enterprise platforms

Humanitarian Technology Impact

- Enhanced FAO dashboard supporting global poverty reduction initiatives across multiple African countries
- Developed agricultural technology solutions serving farming communities
- Created accessible technology platforms for underserved populations

Cloud Infrastructure Excellence

- Multiple production applications deployed and maintained on AWS with 99.9% uptime
- Implemented serverless architecture and cost-optimized hosting strategies
- Proficient in container orchestration and automated deployment pipelines

LANGUAGES

English: Professional Fluency | **Kiswahili:** Native Speaker | **French:** Conversational

PROFESSIONAL INTERESTS

Payment Systems & Fintech, Humanitarian Technology Solutions, Open Data Platforms, API Architecture, Performance Engineering, Cloud Infrastructure, Distributed Team Leadership, Agricultural Technology, Multi-currency Transaction Processing

References and detailed project documentation available upon request