



KENNETH OTORO


AI Systems Engineer | Senior Backend Engineer (.NET / Cloud / DevSecOps)

Lagos, Nigeria | Open to Remote & Relocation

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PROFESSIONAL SUMMARY

AI Systems Engineer and Senior Backend Engineer with 9 years of experience building secure, scalable enterprise platforms across fintech, banking, logistics, and SaaS environments.

Specialized in **AI-powered automation, backend architecture, and distributed systems engineering**, with strong expertise in designing and delivering production-grade systems using **C#, .NET, microservices, and cloud-native technologies**.

Experienced in building **intelligent automation systems, AI agents, and enterprise APIs**, alongside high-availability financial and transaction processing platforms supporting mission-critical workloads.

Strong background in **DevSecOps, secure API design, payment integrations, and system optimization**, with a consistent focus on reliability, scalability, and performance in production environments.

TOP AI SYSTEMS ACHIEVEMENTS

- Built an **AI-powered financial reconciliation system** that processes Excel uploads, matches transactions across payment processors and bank statements, detects anomalies, and generates reconciliation reports automatically.
- Developed an **AI-powered content generation platform** that creates viral short-form video scripts for YouTube Shorts, TikTok, and Instagram using LLM prompt pipelines.
- Designed an **AI-assisted email automation platform** supporting merchant notifications, delivery tracking, failure detection, and automated retry workflows using distributed job processing.
- Implemented **AI-driven workflow automation systems** reducing manual operational tasks by over **60% through intelligent orchestration and automation pipelines**.
- Integrated **AI APIs and automation agents into enterprise platforms**, enabling real-time insights, operational intelligence, and improved decision-making workflows.

TECHNICAL SKILLS

Backend Engineering

- Design and development of scalable backend systems using **C#, .NET Framework, .NET 9, and ASP.NET Core**
- Building high-performance APIs with **Minimal APIs, RESTful services, and LINQ**
- Data access and ORM implementation using **Entity Framework Core, Dapper**
- Architecture design using **microservices patterns** and distributed systems principles

AI Engineering & Automation

- Development of **AI-powered systems and intelligent agents** for business automation
- Integration of **LLMs and AI APIs (e.g., Gemini API)** into enterprise applications
- Advanced **prompt engineering** for consistent and optimized AI outputs
- Design of **AI workflow automation** and intelligent decision-making systems
- **API automation and orchestration** across multiple services
- Implementation of automation solutions using **Power Automate**
- Data analytics and visualization using **Power BI**

Cloud & DevOps

- Cloud infrastructure design and deployment on **Azure**
- CI/CD pipeline implementation using **Azure DevOps, GitHub, and GitLab**
- Containerization with **Docker** and orchestration using **Kubernetes**
- Automation of build, test, and deployment workflows
- Implementation of DevOps best practices: version control, monitoring, and continuous delivery

Security & Application Security

- Implementation of **OWASP security standards** and secure coding practices
- Authentication and authorization using **JWT and OAuth2**
- Design of **Role-Based Access Control (RBAC)** systems
- Conducting **threat modeling** and securing application architectures

Databases

- Design and management of relational databases: **SQL Server, PostgreSQL, MySQL**
- Experience with NoSQL databases: **MongoDB, Azure Cosmos DB**
- Query optimization, indexing, and performance tuning

Frontend Development

- Building interactive UIs using **Blazor, Microsoft MVC and React**
- Strong foundation in **JavaScript, HTML, CSS, Tailwind CSS and Bootstrap**
- Enhancing legacy and dynamic interfaces with **jQuery**

Mobile & Desktop Development

- Cross-platform mobile development using **Flutter and Xamarin**
- Desktop application development with **WinForms and WPF**

PROFESSIONAL EXPERIENCE

Gemspay Solutions Limited

Senior Software Engineer (Lead)

Lagos, Nigeria | 2022 – 2026

- Architected scalable fintech backend services using **ASP.NET Core**, **Minimal APIs**, and **Microservices architecture**.
- Designed secure financial transaction **APIs** using **JWT authentication** and **Role-Based Access Control (RBAC)**.
- Integrated external payment platforms and financial networks, ensuring reliable and consistent transaction processing.
- Improved backend performance through database indexing, query optimization, and schema restructuring.
- **Automated CI/CD** pipelines using **Azure DevOps**, significantly improving deployment speed and release reliability.
- Collaborated with frontend teams using **Blazor** and **React** to deliver secure and responsive user-facing applications.

Key Contributions

- Improved platform reliability and deployment efficiency through **CI/CD automation** and **infrastructure optimization**.
- Strengthened API and transaction security architecture across fintech payment services.
- Enhanced backend performance and scalability through database optimization and architectural improvements.
- Delivered resilient financial transaction systems support secure and consistent payment processing.
- Contributed to seamless user experiences through effective collaboration with frontend engineering teams.

GIGM

Senior Full Stack Engineer / DevOps Lead

Lagos, Nigeria | 2022

- Led development of enterprise logistics platforms using **ASP.NET Core microservices architecture**.
- Built **scalable APIs** supporting logistics operations and customer service platforms.
- Managed **CI/CD pipelines** and **Docker-based** deployments across environments.
- Refactored legacy applications improving system scalability and maintainability.

Key Contributions

- Improved platform scalability and maintainability through modernization of legacy systems.
- Accelerated deployment cycles using **automated CI/CD** workflows and containerized infrastructure.
- Enhanced operational efficiency by building scalable backend services for logistics operations.
- Contributed to more stable and reliable application releases across environments.

First Bank of Nigeria

Software Engineer (Consultant)

2021 – 2022

- Developed enterprise banking applications using **.NET Core microservices architecture**.
- Integrated secure third-party banking **APIs** and financial services.
- Automated containerized deployments and **CI/CD pipelines** using **Azure DevOps**.

Key Contributions

- Supported secure integration of banking and financial service platforms.
- Improved deployment consistency and release automation using **Azure DevOps** pipelines.
- Contributed to scalable enterprise banking solutions using **microservices architecture**.
- Enhanced system reliability through containerized deployment strategies.

Trowpass

Chief Technology Officer (CTO)

Remote | 2020 – 2023

- Led architecture and development of cloud-native digital platforms supporting scalable application services.
- Designed **microservices architecture** using **Docker containerization** for flexible deployments.
- Introduced **DevSecOps practices**, secure coding standards, and automated deployment pipelines.
- Mentored engineers on **Clean Architecture**, **SOLID principles**, and **secure software engineering practices**.
- Directed technical roadmaps, infrastructure planning, and engineering delivery.

Key Contributions

- Established scalable cloud-native engineering architecture for long-term platform growth.
- Improved deployment efficiency and operational reliability through **DevSecOps** automation.
- Strengthened engineering quality standards through mentorship and secure software development practices.
- Streamlined infrastructure planning and delivery processes across engineering teams.

SDSD Prestige Limited

Software Developer

Ogun State, Nigeria | 2019 – 2021

- Developed Full-Stack software application solutions using **C# & ASP.NET**, tailored to operational and business requirements.
- Built internal productivity tools that streamlined workflows and reduced operational overhead.
- Collaborated with project managers and stakeholders to define realistic development milestones and delivery timelines.
- Designed customized technical solutions and software proposals for prospective clients.
- Evaluated product supportability requirements for both remote and on-site deployment environments.

Key Contributions

- Accelerated software iteration cycles through automation and reusable tooling.
- Enhanced operational efficiency by digitizing manual business processes.

LokDon, LLC

Desktop Application Developer

Remote | 2019 – 2021

- Developed and maintained desktop applications using **C#, WinForms, and WPF**.
- Collaborated with cross-functional teams to troubleshoot, debug, and optimize application performance.
- Participated in software planning, architecture discussions, and future product rollout strategies.
- Contributed to continuous improvement initiatives through proactive problem-solving and process optimization.
- Supported delivery of stable and user-focused desktop solutions in an agile remote environment.

Key Contributions

- Improved application stability and maintainability through structured debugging and optimization.
- Contributed to product planning and technical decision-making as part of the engineering leadership team.

Aptech Computer Education

Head Faculty & Software Engineer

Asaba, Nigeria | 2017 – 2018

- Developed an intranet solution for record management system using **ASP.NET & C#** that transformed administrative processes from manual to automated operations.
- Led software development initiatives while overseeing technical training and instructional delivery.
- Mentored students in software engineering concepts, programming practices, and application development.
- Introduced collaborative code review practices and modern software development methodologies.
- Designed and delivered engaging technical learning sessions using diverse instructional approaches.

Key Contributions

- Successfully digitized institutional record management processes.
- Improved technical learning outcomes through structured mentorship and modern teaching methods.
- Fostered collaborative development culture and coding best practices.

EDUCATION

Bachelor of Science (B.Sc.)

Computer Science

Delta State University, Abraka, Nigeria

CERTIFICATIONS

- Building Web Applications with ASP.NET Core
- C# Programming Certification
- Bootstrap Web Development Certification
- CSS Development Certification
- Certified jQuery Developer
- Introduction to AI
- And More...