

ABOGE ERICK

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PROFESSIONAL SUMMARY

Results-driven **Full Stack Software Engineer** with over 3 years of intensive experience architecting scalable web applications and enterprise solutions. Expert in bridging the gap between complex backend logic and responsive frontend interfaces using **React, TypeScript, Node.js, Django, and .NET**. Proven track record of optimizing business processes—from digitizing HR workflows to integrating high-volume financial gateways. Adept at Clean Architecture, Domain-Driven Design (DDD), and DevOps practices.

TECHNICAL SKILLS

Frontend: React.js, Next.js, TypeScript, TailwindCSS, Redux, Zustand, HTML5, CSS3, Framer Motion | **Backend:** Node.js, Express, Python (Django/FastAPI), C# (.NET Core 8.0), RESTful APIs, Swagger | **Database:** PostgreSQL, MySQL, MS SQL Server, Redis, Supabase, EF Core, Prisma ORM | **DevOps:** Docker, Coolify, Vercel, Render, Git, GitHub Actions, Postman, Linux | **Architecture:** DDD, Clean Architecture, RBAC, JWT Auth, Microservices

PROFESSIONAL EXPERIENCE

OPTIVEN | Nairobi, Kenya

Full Stack Software Engineer December 2024 – Present

- Enterprise **CRM** Architecture: Engineered a high-performance in-house CRM using **Django** and **React**, managing 10,000+ customer records. Implemented **indexing** and **server-side** pagination to reduce query time by 40%.
- HRMS** Development: Built the Employee Self-Service (ESS) and HR Appraisal modules, replacing legacy systems with a streamlined React/Django solution for PIP and probation workflows.
- Dynamics** Integration: Developed C# .NET APIs to extract financial data from Microsoft Dynamics 365 and inject it into executive dashboards for real-time reporting.
- DevOps: Containerized applications using Docker and Coolify to ensure consistent deployment environments.

Contract Software Developer August 2024 – December 2024

- Daily Work Diary System: Designed and deployed a compliance monitoring system using **Node.js, Express, and React**, eliminating manual Friday Excel reports for the entire workforce.
- Feature Implementation: Built **Role-Based Access Control (RBAC)** for Employee, Supervisor, and HR dashboards, including automated email notifications for non-compliance.
- Fintech Integration: Led the integration of **M-Pesa STK Push (Daraja API)** for Optiven Water, automating payment reconciliation and reducing manual entry errors by over 90%.

GMC KITENGELA | Kajiado, Kenya

Software Developer (Contract) January 2024 – August 2024

- POS System Development: Engineered an end-to-end Procurement Module for a custom Point of Sale system using **React** and **Django**.
- Workflow Automation: Digitized complex supply chain workflows: Store Requisition → RFQ → Bid Analysis → Purchase Order → GRN → Invoice generation.
- Impact: Streamlined the procurement process, reducing approval turnaround time and improving inventory accuracy.

FREELANCE (UPWORK) | Remote

Junior Software Developer November 2022 – January 2024

- Fintech Solutions: Developed secure Finance Gateway applications using **.NET Core**, focusing on transaction integrity and third-party API integrations.
- Web Development: Delivered custom E-commerce platforms and high-traffic News websites, ensuring SEO optimization and mobile responsiveness.

FEATURED PROJECTS

SentinelPay (Fintech) — <https://sentinel-pay.vercel.app/> | <https://github.com/Abogeerick/SentinelPay>

Tech Stack: C# .NET 8, React, TypeScript, PostgreSQL, Docker, Redis

- Engineered a production-ready Fintech platform using .NET 8 (Clean Architecture) and React.
- Implemented real-time risk scoring (0-100 scale) based on velocity checks, IP geolocation, and device fingerprinting.
- Security: Built bank-grade security including JWT with refresh tokens, BCrypt hashing, and RBAC.

Nexus Financial (SaaS) — <https://nexus-app-plum.vercel.app/> | <https://github.com/Abogeerick/nexus-app>

Tech Stack: Next.js, TypeScript, Prisma, PostgreSQL, M-Pesa API

- Developed a financial management SaaS offering **AI-powered transaction categorization** and multi-currency support.
- Integrated M-PESA statement parsing (PDF/CSV) and real-time currency conversion APIs.

Ask the Web (AI Tool) — <https://github.com/Abogeerick/Ask-the-web>

Tech Stack: Python, Streamlit, LangChain, OpenAI/LLMs, Docker

- Built a Streamlit application leveraging LLMs and DuckDuckGo search to provide cited answers to user queries.
- Containerized the application using Docker for consistent deployment across environments.

EDUCATION

Bachelor of Commerce (Information Technology Specialization) | University of Nairobi | Sept 2020 – Dec 2024

Certificate in Software Development | Moringa School | May 2022 – Nov 2022