

DANIEL EMENIKE

Senior Software Engineer

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PROFESSIONAL SUMMARY

Senior software engineer & Generative AI practitioner with 8+ years of experience architecting and shipping high-performance web applications across fintech, marketplace, and SaaS domains. Deep expertise in React.js, Next.js and TypeScript, with a growing specialization in AI-powered product engineering, including LangGraph agentic workflows, RAG pipelines, and LLM integration. Track record of owning full product delivery cycles from API design and state architecture to CI/CD pipelines and cloud deployment with hands-on experience in GoLang, Docker, GCP, and Cloudflare infrastructure.

EDUCATION

Ajayi Crowther University

Degree: BSc. Computer Science | **Year:** 2014 to 2018

PROFESSIONAL EXPERIENCE

Hydrogen Payment Service Company Limited - Senior Software Engineer | March 2024 – current

- Architected and delivered three mission-critical financial web portals (Biller Backoffice, Wallet, and Reseller) using Next.js App and React.js, serving thousands of daily active users and companies across Nigeria's payment infrastructure
- Engineered a real-time transaction monitoring system, enabling operations teams to trace and resolve payment failures 60% faster.
- Established end-to-end test coverage using Jest and React Testing Library, reducing post-release defect rates and increasing deployment confidence across all three portals.
- Collaborated with product, design, and backend squads to define component APIs, enforce design system consistency, and drive user-centric feature delivery under tight regulatory timelines

Palmpay Limited (Fintech) – Senior Software Engineer February 2023 – February 2024

- Spearheaded the development of Gaia Omni-Core Project, a high-availability back-office platform for real-time monitoring of payment channels, integrations, and settlement flows across operations
- Led delivery of KILI portal, a high-profile, a restricted-access merchant management system handling business developer onboarding, agent POS device assignment, and commission configuration at scale.

Titan Trust Bank – Software Engineer | September 2021 – January 2023

- Developed dashboards and interactive data visualization components for account statements and financial analytics.
- Coordinated with QA teams on regression suites and release checklists, ensuring platform reliability.

Link-up – Software Engineer | January 2021 – August 2021

- Led frontend engineering for a vehicle inventory management system, supporting real-time listing updates and backend service integration.
- Integrated third-party APIs for vehicle history reports and financing options.

BRICKS & TIERRA - Front-end Developer | February 2020 – December 2020

- Built a custom CMS enabling non-technical staff to manage property listings, reducing content update turnaround from days to minutes.
- Integrated maps and geolocation APIs to power proximity-based property search, directly improving search-to-inquiry conversion for buyers.

ACME BRANDS MARKETING LIMITED - Front-end Developer | May 2019 – January 2020

- Developed a custom analytics dashboard for real-time marketing campaign performance monitoring, giving clients self-serve visibility into ROI metrics
- Developed dynamic and content-rich marketing websites for our clients.

AVAYA - Front-end Developer | October 2018 – April 2019

- Designed and implemented reusable UI components to ensure a consistent and user-friendly interface across the application.
- Worked closely with UX designers to prototype and iterate on user interface designs, ensuring a seamless user experience.

Tash Studios Limited - Junior frontend Developer | Nov 2017 – March 2018

- Contributed to the creation of a custom video player with advanced features like playlists and adaptive streaming
- Participated in the development of a content management system for digital asset management.

Smooth Promotions – Front-end intern | January 2017 – Sept 2017

- Gained web experience in implementing responsive designs and basic animations using CSS and JavaScript.
- Contributed to the creation of an online ticketing system for music events

PERSONAL PROJECTS (In Active Development)

P2P Vehicle Marketplace - <https://naijausedcars.vercel.app>

A full-stack peer-to-peer car marketplace for the Nigerian market, conceptually modelled after cars.com, with separate buyer, seller, and admin dashboards. Sellers self-manage inventory through a dedicated portal. Built the entire platform independently, from database schema design to DevOps gaining deep hands-on expertise in cloud infrastructure, container orchestration, and GitHub CI/CD pipelines

- Frontend deployed to Vercel (Next.js); Go REST API containerized with Docker and deployed to a GCP virtual machine with IAM role configuration and GitHub Actions CI/CD.
- Listing images stored and served via Cloudflare R2 with public URL streaming; Neon (serverless PostgreSQL) as the primary database.
- Transactional email infrastructure built with Resend.com for seller notifications, buyer enquiries, and account verification flows
- **Stack:** *Next.js, Go, Docker, GCP, Neon (PostgreSQL), Cloudflare R2, Resend, GitHub Actions, Vercel*

CareerLada - AI-Powered Career Mobility Platform (In Development) - <https://www.careerlada.com/>

- **AI CV Studio:** Logged-in users can create and edit their CV through a real-time editor with live preview, ATS compliance checks, and AI-driven suggestions. The intelligence layer is a Python worker built with LangGraph and LangChain, using OpenAI as the model backend. The worker orchestrates a stateful multi-step agent that rewrites, scores, and tailors CV sections based on target job context.
- **Scholarship ingestion pipeline:** Built a web scraping pipeline using Colly (Go) as the primary scraper for static scholarship boards, with Crawl4AI as the fallback for JavaScript-heavy sites.

Stack: Next.js, Go backend, Python (FastApi, LangGraph, LangChain, OpenAI), Colly, Crawl4AI, Neon, Cloudflare R2, Docker

US Visa & Immigration Service Platform - <https://veripass.org/>

A full-service US immigration and visa consulting platform designed for high-achieving professionals seeking O-1 and EB-1 visa pathways to the United States.

- Integrated Typeform-based eligibility assessment funnel as the primary lead capture mechanism, with routing logic based on applicant profile.
- Built the complete frontend in Next.js with a focus on conversion-optimised landing flows, dynamic pricing pages, FAQ sections, and testimonial modules.

Stack: Next.js, React, TypeScript, Tailwind CSS, Vercel, Nestjs

China-to-Nigeria Vehicle Platform - <https://directokunbo.vercel.app>

- Built a live landed cost calculator pulling real-time FX rates and admin-configured duty tables to give buyers transparent line-item cost breakdowns (vehicle, RORO shipping, customs duty, clearing fees, service fee).
- Integrated Paystack for deposit-based order reservations with FX lock logic and automated ops review triggers for rate deviation beyond threshold.

Stack: Next.js, Go, Docker, GCP, Neon (PostgreSQL), Cloudflare R2, Paystack, Vercel

TECHNICAL SKILLS

- **Core Frontend:** React.js, Next.js, TypeScript, JavaScript (ES6+), HTML5, CSS3
- **Styling & UI:** Tailwind CSS, Styled Components, Material UI (MUI), Ant Design, Framer Motion, Shadcn/ui
- **State Management:** Redux Toolkit, Redux Saga, Zustand, Context API, TanStack Query, RTK Query
- **Generative AI & Agents:** LangChain, LangGraph, LangSmith, OpenAI API, RAG, Agentic AI Workflows, Vector Embeddings, Prompt Engineering
- **AI Infrastructure:** Python (AI workers), Crawl4AI, Colly (Go scraping), pgvector, Supabase, Neon
- **APIs & Data:** RESTful APIs, GraphQL, WebSockets, Prisma ORM, Mongoose
- **Testing:** Jest, React Testing Library, End-to-End Testing
- **Backend & Infra:** Go (Golang), Node.js, Express.js, Docker, GCP, Vercel, GitHub Actions CI/CD
- **Databases:** PostgreSQL (Neon), MongoDB
- **Monitoring:** Grafana, Prometheus, Sentry

CERTIFICATIONS

- Agentic AI Engineering with LangChain & LangGraph: <https://ude.my/UC-208e66ed-759c-4fb5-bb99-b4806b8ff287>
- Master RAG: Retrieval Augmented Generation Systems: <https://ude.my/UC-9d7a4c85-7a32-470c-b630-8ccb7a0c73c5>
- Backend Engineering with Go: <https://ude.my/UC-ae5fb927-81c5-416c-9809-15a988d6727c>
- AI For Leaders: Udemy: <https://ude.my/UC-4dea386c-b406-4543-8383-6eae8ad6ba55>
- AI for Business Leaders: <https://ude.my/UC-c761c100-587b-40de-9ba0-aa76dbe7e49c>
- Web3 & Blockchain: <https://ude.my/UC-da0ac9b7-35be-4b27-bda5-16958b3821e3>