USMAN ALABURA

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Professional Summary

I'm a senior software engineer with deep specialization in **AI-first product development** and **frontend engineering**. I help startups build cutting-edge digital experiences, fine-tune LLMs, and launch AI-native MVPs fast. From intelligent conversation engines to scalable microservices, I architect systems that feel magical to users but robust under the hood. My mission is to build tools that make a dent in people's businesses—and in the universe.

Core Competence

- **Frontend**: Next JS, React JS, Vue 3, Nuxt JS, Angular JS, TypeScript, Tailwind CSS, & Framer Motion
- **AL/ML**: GPT-4o, GPT-4o-mini (Fine-tuning), Open AI, Langchain Vercel AI SDK, RAG Pipelines, & Pinecone
- **Backend**: Node JS, Nest JS, Mongo DB, Redis, RabbitMQ, Express, REST API design
- **DevOps**: Docker, Railway, Vercel Deployment & Github Actions/Workflows
- **Languages:** TypeScript, JavaScript, & Python

Flagship Projects

Wingman AI - Social Confidence Companion (2025)
AI-first web app combining persona-deiven LLMs, chat tools and gamified UX
mancave.ai

- Designed and built the core AI architecture (prompt engine + persona system) using OpenAI GPT-4o & mini fine-tuned model
- Created conversational structure (ChatGPT-like) with message feedback, summaries, and RAG memory
- Integrated Redis for buffer caching, RabbitMQ for messaging jobs, and MongoDB for persistent convo storage
- Orchestrated frontend UI with Tailwind CSS + Framer Motion for fluid chat experience

Smartbloks - Multisite Generator for Agencies (2025)
AI-powered system that turns creative briefs into complete, styled websites
smartbloks.ai

- Built extractor + generator microservices using Vercel AI SDK, OpenAI, and zod-based schema prompts
- Developed AI-based font picker, color palette generator, and Unsplash image replacer
- Generated performant HTML + Tailwind CSS with SEO-friendly content blocks
- Led backend dev with Node.js, Express, and chunked pipeline processing for long prompts

Onecopy Business AI (2023)

AI writing assistant for entrepreneurs and marketers
Onecopy.ai

- Delivered Vue 3 frontend with smooth GSAP animations and a modular design system
- Integrated text + image generation with TTS capabilities and template-based workflows
- Added Google Analytics for behavioral tracking and prioritized UI fixes based on insight

BudgiT PHC Tracker siness AI (2022)

National healthcare accountability tool built with Next.js & React
Phctracka.org

- Built reusable component library and implemented core UI for PHC transparency tracking
- Delivered MVP ahead of deadline and supported post-launch refinements

Work Experience Summary

Over 5 years of experience leading fullstack, frontend, and AI-driven projects across industries:

- **FBNQuest Merchant Bank (via SBSC)**: Led frontend revamp, created custom notification templates, ensured OWASP security
- **Astro Marketers:** Built toast and icon libraries, transformed UI from tables to cards, launched analytics-ready V3 of OneCopy
- **BudgIT Nigeria**: Created PHC Tracker and custom component system with high accessibility
- **Liveable NG**: Led microfrontend implementation and team onboarding with custom starter kits and NPM packages
- **Acronis Intl**: Migrated JS modules to TS, increased test coverage, restructured modules for maintainability
- **Gradely:** Spearheaded the development of the Report Card App with customizable templates, auto-grading, and visualizations
- **AspireUnivas Intersystems LLC:** Led the dev team in delivering EdTech platforms (SIMS, OneClass) for Plateau State Ministry of Education
- **BitSense Pay:** Built MVP of a Flutter-based mobile payment solution, integrating designs with real-time API connections
- **ByteCohort:** Delivered high-fidelity React frontend with strong QA, translating Figma designs into production-ready code
- **Rimotli:** Built the SCSS theming and reusable component architecture that accelerated frontend development

Technical Publications

- SEO Beyond the Code: Next JS Optimization for Visibility & Performance - Medium (Stackademic), Dec 2024
- How to Add Google Analytics to a Next.js App with TypeScript Support Using react-ga4 - Medium (Stackademic), Aug 2024
- How to Perfect Slide-In and Slide-Out Page Transitions in Next.js with Framer Motion - Medium (Stackademic), Sep 2023
- Vue 3 OTP/PIN Form Tutorial: Implementing a Headless Technique for Seamless Results - Medium (Stackademic), Sep 2023
- Advanced Axios API Service for React/Next JS - Medium (Stackademic), Aug 2023

Education and Certifications

- Developing **LLM Applications** with **LangChain. [Certification](#)**
- **B.Sc. Computer Science,** University of Jos, Plateau State, Nigeria

Portfolio

- **Website: [alabura.com](#)**
- **Notoble Projects: [Wingman AI](#), [SmartBloks](#), [OnceCopy AI](#), [PHC Tracker](#)**