

Yannis Madu

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Summary

Full-stack engineer who built and launched a SaaS from the ground up, growing it from zero to a live product with paying users and a growing online community. Also delivered a high-value React Native contract involving advanced geospatial features and data visualization. I take full ownership, move fast, and work independently — comfortable wearing many hats in early-stage teams.

Skills

Frontend: React, Next.js, TypeScript, Tailwind CSS, React Native

Backend: Node.js, Express, PostgreSQL (via Prisma)

DevOps & Infrastructure: Docker, GitHub Actions, AWS (Lambda, S3, API Gateway), Vercel, Neon, DigitalOcean, Railway

Integrations: Stripe, Firebase Auth, ImageKit CDN, SendGrid, Amplitude

Tooling: Git, Expo

Experience

Founding Full-Stack Engineer, Build Board (build-board.io) – Remote, UK Feb 2024 – Present

- **Spearheaded Build Board from concept to launch** — a kanban-based project management tool for 3D printing hobbyists.
- **Owned and engineered the entire technical infrastructure as a solo engineer**, handling frontend, backend, DevOps, and database systems across multiple environments.
- **Cut image storage costs by 50%** through strategic infrastructure migrations and CDN optimization.
- **Improved client-side analytics coverage by 1.5x** by bypassing ad blockers with a custom proxy, based on average ad blocker prevalence.
- **Developed a queue-based asynchronous web scraping system** to handle large imports for user 3D print projects.
- **Implemented payments and authentication** with Stripe webhooks, Firebase, and automated emails via SendGrid.

Frontend Engineer (Contract), Omanos Analytics – Remote, UK Oct 2024 – Feb 2025

- **Delivered a React Native geospatial data collection app** enabling offline field research with an interactive map, survey workflows, and automatic data synchronization.
- **Created a high-performance freehand drawing system** using React Native Skia with a canvas overlay, converting screen coordinates to map coordinates for real-time geographic annotation.
- **Built a dynamic survey system** with conditional rendering supporting 8+ question types (multi-select, date/time, text, number inputs) based on backend API data.
- **Integrated comprehensive offline-first functionality** by using SQLite local storage, automatic sync detection, and seamless data upload when connectivity resumed.
- **Completed project 1 month ahead of schedule** by establishing clear requirements and realistic timelines with the development team.

Education

Self-taught via online courses – The Odin Project, Next.js 13 Masterclass, Rust Book, and more June 2023 – Present

Guildhall School of Music and Drama – BMus in Music Sept 2019 – June 2023

Certifications

AWS Certified Cloud Practitioner – Verification code: 76764e8d76114e68ad5e11b4c76b9351 July 2024