

KodeckJames

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Professional summary

Software Engineer specializing in full-stack and mobile development. Proficient in Python, JavaScript, TypeScript and C with demonstrated expertise in Next.js, FastAPI, and React Native (Expo). Proven track record building AI-powered and Web3 applications with measurable performance improvements and cost reductions. Highly adaptable to any emerging or project-specific technologies required to deliver innovative, scalable solutions.

Technical skills

Languages: Python, TypeScript, JavaScript, C, HTML, CSS

Libraries/Frameworks: Next.js, React Native (Expo), FastAPI, Pydantic, SQLAlchemy

Tools: Git, GitHub, Docker, Supabase, Clerk, Notion

Education

Kenyatta University

Sept. 2024 - Dec. 2028

Bachelor of Science in Mathematics and Computer Science

Experience

Campus Connect | Website

July 2025 - Present

Software Engineer & Mobile Developer

- Engineered a cross-platform student collaboration tool with Next.js, React Native (Expo), and NestJS, enabling **1,000+ students** to connect securely with Clerk and Zustand.
- Implemented a real-time video feature that boosted student interactions, increasing daily active engagement by **35%** and enhancing overall UX responsiveness.

Creative Operations

March 2025 - Present

Frontend developer & Web3 integrator

- Developed and deployed 3 blockchain apps in **DeFi and healthcare** using Next.js, FastAPI, Stellar, and Starknet for mission-critical fintech solutions.
- Implemented **advanced DeFi features** including token swapping, lending, borrowing, and staking, achieving up to **25% faster transaction execution** and improved gas efficiency.

Projects

Hygeia | Menstrual Health on Blockchain | Next.js, Starknet, TypeScript, Clerk | **Live Demo** | **GitHub**

- Built a transparent supply chain system improving menstrual products accessibility for Kenyan girls.
- Authored documentation that reduced contributor onboarding time by **40%**.

Dust Accelerator | Stellar Batch Processor | Next.js, Stellar, TypeScript, Clerk | **Live Demo** | **GitHub**

- Engineered batch processing platform consolidating wallet balances, cutting transaction fees by up to **60%** for users.

Blendify | DeFi Hub on Stellar | Next.js, Stellar SDK, TypeScript | **Live Demo** | **GitHub**

- Delivered full-featured DeFi hub with **4+** financial instruments (swapping, staking, lending, borrowing) and real-time price feeds, empowering users with end-to-end asset management.

Afya | AI-Powered Health Chat App | React Native (Expo), Django, Hugging Face Transformers | **GitHub** |

- Developed a cross-platform mobile health consultancy app using React Native and integrated **Hugging Face transformer models** into a **Django backend**, enabling context-aware medical conversations while maintaining performance on mobile devices.