

ISAAC EPAPHRAS NANA SAM

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Summary

Full-stack Software Developer with a Bachelor's in Computer Engineering, specializing in TypeScript, React, Next.js, and React Native. Experienced in building scalable web and mobile applications with modern JavaScript frameworks and backend technologies. Delivered production systems across healthcare, fintech, and e-commerce sectors, focusing on performance, maintainability, and user-centric design.

Work Experience

Gigsama LLC

Mar 2025 – Mar 2026

Fullstack Developer

Remote

- Led R&D initiatives, evaluating and implementing production tools (PostHog, Sentry, Zoho Desk) and building technical PoCs to validate EHR integrations before full implementation.
- Architected and developed the complete frontend for Carex Scholar, a platform for managing youth behavioral health sessions and assessments, with responsive interfaces across multiple user portals.
- Built automated scholar check-in, assessments, and group notes for scholar sessions, reducing administrative overhead.
- Contributed to backend development, implementing API endpoints and business logic for the Scholar platform.
- Ensured HIPAA compliance throughout the platform, safeguarding sensitive healthcare data and minimizing audit risks.

Technologies used: Next.js, TypeScript, Express.js, PostgreSQL.

Hurisoft

Nov 2024 – July 2025

Fullstack Developer

Remote

- Developed the landing page for iExchange, a P2P cryptocurrency trading platform, driving user acquisition with a modern, responsive UI.
- Collaborated on iExchange's main trading application, building front-end components and integrating APIs for secure transactions.
- Resolved bugs and optimized performance for Soccersm, enhancing user experience and platform reliability through targeted front-end improvements.
- Enhanced Scrowton, an e-commerce marketplace, by adding features, fixing bugs, and maintaining the platform to support secure escrow-based transactions, including backend services.

Technologies used: Next.js, TypeScript, Express.js, Firebase.

KNUST School of Business

Nov 2023 – Nov 2024

Fullstack Developer

Kumasi, Ghana

- Developed an exams attendance application and admin dashboard, improving staff accountability and administrative efficiency.
- Built a secure web-based Voting System for faculty elections, automating vote collection and providing real-time analytics.
- Developed a nomination platform with role-based authentication, streamlining the nomination process for university elections.
- Designed admin dashboards for managing nominations, with real-time notifications and analytics to enhance user management.

Technologies used: Next.js, TypeScript, Flask, MongoDB.

Projects

NCCRM DataHub - Crisis Response Platform

Next.js, TypeScript

- Developed frontend for Ghana's NCCRM crisis response platform with geospatial incident tracking.
- Built event reporting system with comprehensive data capture integrated with backend API.
- Implemented situational analysis dashboard with risk assessment scoring and comparative reporting tools for crisis management.

Crypto Payment Gateway - Dashboard & Checkout

Vue 3, TypeScript

- Built merchant dashboard in Vue 3 for monitoring crypto transactions, payouts, commissions, and configuration such as API keys and webhooks.
- Implemented checkout flow that generates deposit addresses and tracks on-chain payments via backend APIs, enabling merchants to accept crypto payments securely.
- Integrated wallet connectivity using Wagmi and Viem, ensuring a smooth payment experience across multiple networks.

BisaDoctor - Chronic Care Platform

Next.js, TypeScript, Express.js, Firebase

- Developed the Next.js marketing site for BisaDoctor, communicating the product value for chronic care and capturing leads from patients and clinicians.
- Implemented backend API endpoints in Express.js for vitals, medications, chats, notes, and notifications, powering the mobile app experience.
- Supported subscription and billing flows by integrating payment provider webhooks and withdrawal logic for clinicians.

Braszy Clothing - E-commerce Application

Next.js, TypeScript, Prisma, MongoDB

- Built full-stack e-commerce platform with user authentication and responsive storefront for browsing fashion products.
- Implemented product search and filtering, shopping cart, and order tracking to support a complete online shopping experience.
- Integrated Stripe for secure payments and used Prisma with MongoDB for managing products, orders, and customer data.

Education

Kwame Nkrumah University of Science and Technology (KNUST)

Sep 2019 – Aug 2023

Bachelor of Science in Computer Engineering, First Class Honours

CWA: 73.71/GPA: 3.70

Academic Honours and Awards

Best Student Award, 2021

Technical Skills

Languages: JavaScript, TypeScript, Python, SQL, Java.

Libraries/Frameworks: React, Next.js, Vue.js, React Native, Express.js, Flask, Spring Boot.

Developer Tools: Git, Docker, AWS, Prisma, Firebase.

Testing: Jest, Playwright.

Database: PostgreSQL, MongoDB, MySQL, SQLite.