ASIEDU RICHMOND

Full-Stack Developer (Frontend-Focused)

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Professional Summary

Full-Stack Developer experienced in building and deploying scalable web applications using Next.js, React, Node.js, and MongoDB. Strong foundation in API architecture, secure authentication systems, and performance optimization. Proven ability to independently deliver production-ready systems with clean code practices, maintainable architecture, and real-world business functionality.

Core Skills

- Full-Stack Development: Next.js, React, Node.js, TypeScript
- RESTful API Design, JWT Authentication, Role-Based Access Control
- Database Design & Optimization (MongoDB, PostgreSQL, MySQL)
- Payment Gateway Integration (Stripe, Paystack, Webhooks)
- AI API Integration & Automation Workflows
- State Management, Server-Side Rendering (SSR), API Routing
- CI/CD Pipelines, GitHub Actions, Cloud Deployment (Vercel, GCP)
- Performance Optimization, Secure Coding Practices

Professional Experience

Full-Stack Developer   *2024 – Present*
Independent / Freelance | Remote

- Architected and deployed full-stack web applications using Next.js, Node.js, and MongoDB
- Designed scalable RESTful APIs supporting authentication, authorization, and structured data workflows
- Implemented JWT-based authentication and role-based access control for multi-user systems
- Integrated secure payment processing (Stripe/Paystack) with webhook validation and transaction verification
- Built reusable UI components with responsive design and accessibility best practices
- Optimized backend queries and indexing strategies to improve response time and system performance
- Configured CI/CD pipelines for automated deployments and environment-based builds
- Gathered user requirements, iterated on features, and delivered production-ready solutions

Selected Projects

AI-Powered Thumbnail Generation Platform   *2025 – Present*
Next.js, Node.js, AI APIs

- Developed a full-stack AI-driven web application for automated thumbnail generation
- Built secure authentication, user dashboards, and asset management systems
- Integrated third-party AI image generation APIs with structured prompt workflows
- Implemented server-side processing and optimized image delivery for multiple platforms
- Reduced manual design time from hours to seconds using automation workflows
- Designed scalable backend architecture with usage controls and request validation

Full-Stack E-Commerce Platform   *2023 – Present*
Next.js, Node.js, MongoDB, Stripe/Paystack

- Engineered a server-side rendered e-commerce platform optimized for SEO and fast page loads
- Designed product, cart, order, and user data models for structured transaction workflows
- Integrated secure payment processing with webhook handling and order status synchronization
- Implemented admin dashboards for product management and order tracking
- Applied input validation, protected routes, and secure session handling

Technical Skills

Languages: JavaScript, TypeScript, Python
Frontend: React, Next.js, Tailwind CSS, HTML5, CSS3
Backend: Node.js, FastAPI, REST APIs
Databases: MongoDB, PostgreSQL, MySQL, Redis
DevOps: Git, GitHub Actions, CI/CD, Linux, Vercel, Google Cloud Platform
Practices: Clean Code, Modular Architecture, API Security, Performance Optimization