

Emmanuel Mensah

Software Engineer

United States | emomensa@gmail.com | Github: preshlele | Portfolio

Full-stack software engineer focused on building practical, high-quality web products with Next.js, TypeScript, Python, and modern cloud tooling. I work across the frontend and backend to design intuitive interfaces, develop reliable APIs, integrate data systems, and ship applications that solve real business problems.

Work Experience

Software Engineer bigspark

Sep 2025 – Present | United Kingdom

- Played a key role as a contractor within a bank's Pricing and Retail division, building data driven platforms that replaced manual, error prone Excel workflows for daily pricing operations.
- Partnered with pricing managers and stakeholders to translate business rules into scalable systems that improved operational efficiency and reduced risk.

Software Engineer

Jan 2023 – Sep 2025 | Takoradi, Ghana

AmaliTech Services GmbH

- Played a major role as a frontend developer in building AmaliAI, a company-wide AI assistant serving over 300 employees across multiple departments, ensuring confidentiality and secure communication channels
- Led weekly grooming sessions with stakeholders, managing project timelines, identifying blockers, and communicating technical progress for enterprise-wide initiatives
- Designed and implemented a Retrieval-Augmented Generation (RAG) system that enabled employees to ask company-specific questions and receive real-time answers, reducing reliance on the FAQ section and improving knowledge accessibility

Frontend Engineer Peadato

Nov 2023 – Apr 2024 | Remote

- Built robust, high-performance UIs for a cross-border payment platform using React and TypeScript, focusing on usability and transaction clarity.
- Integrated numerous APIs to ensure smooth and secure transactions, enhancing the platform's reliability and user experience.
- Partnered with stakeholders to rapidly deliver MVP features and iterate based on real-time feedback.

Frontend Engineer Slightly Techie

Jul 2023 | Remote

- Developed and implemented frontend solutions using NextJs, Typescript, and Tailwind CSS for the Slightly Techie School platform, with a focus on optimizing the signup flow and registration process
- Contributed to the development of a SaaS application for managing employee data, including skills, personal details, and project assignments, improving workforce and project management efficiency.

Frontend Developer
Freelance

Nov 2020 – Jun 2023 | Remote

- Collaborated on a real estate marketplace (jhely.com) using React and TypeScript, focusing on modular UI components and clean architecture.
- Developed a responsive, modern bank website for a client using Next.js and Tailwind CSS. The project emphasized creating an engaging homepage, a secure login page, and a user-friendly dashboard to display account balances

Education

MSc. Informatics Jan 2026 – Present
University of Louisiana at Lafayette Louisiana, United States

BSc. Computer Science and Engineering Sep 2016 – Aug 2020
University of Mines and Technology (UMaT) Tarkwa, Western Region

Skills

Frameworks & Libraries	Tools	Methodologies
JavaScript, TypeScript, Python, FastAPI Next.js, NuxtJs, AngularJs, Tailwind, Bootstrap, Shadcn/ui, Tanstack Query, Zustand, RxJs, NgRx, Angular material, Ant Design	• <i>DevOps / Hosting:</i> Docker, AWS, Vercel, Git, GitHub • <i>Databases / Backend:</i> MongoDB, Supabase, Firebase, ChromaDB • <i>AI/LLM Stack:</i> OpenAI, Claude, LangChain, MCP	Agile/Scrum, Waterfall, TDD, Code Review

Selected Projects

Health Chatbot 
Developed an AI-powered health chatbot using Google Gemini AI with a RAG pipeline built on *The Gale Encyclopedia of Medicine*. Integrated Pinecone for vector search, a Flask backend for real-time chat, and a responsive medical-themed UI to deliver accurate, context-aware medical information.

Preshify.com 
Developed a full-stack commerce platform that combines e-commerce with intelligent inventory and sales management. The system provides real-time stock tracking, order processing, customer management, pricing optimization, and business insights to improve operational efficiency and support future AI-driven decision-making.

GillyPOS 
Developed a full-stack POS and inventory management platform that enables businesses to process sales, manage products and stock, generate receipts, track reports, and control user access through role-based permissions.

Certificates

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| • AWS Certified Cloud Practitioner  | • Front End Engineer Path  |
| • Google Africa Developer Program  | • Microsoft Azure Fundamentals (AZ-900)  |
| • Andela React Learning Program  | |