

ENOCH EKOW ENU

Software Engineer & AI/ML Engineer

Email: enochenux@gmail.com | Phone: +233 552977393 / +233 593344313
Location: Oyarifa, Accra – Ghana | Portfolio: <https://ekowenu.cloud>

PROFESSIONAL SUMMARY

Results-driven Full Stack Developer and AWS Certified Developer Associate with a strong foundation in modern web development and growing proficiency in AI/ML technologies. Experienced in designing scalable systems, maintaining production financial software, and integrating machine learning capabilities to enhance user experiences. Passionate about delivering high-quality solutions through collaboration, leadership, and continuous learning in emerging technologies.

PROFESSIONAL EXPERIENCE

Full Stack Software Developer

Dercolbags Packaging Company Limited — Part-Time | May 2024 – 2026

- Architected and led development of WatPak, a fiber-waste logistics and circular-economy platform, progressing it from concept through TRL 6 using NestJS, PostgreSQL, and Cloudflare Workers
- Built Spex Africa, a MERN-stack meal-planning marketplace for enterprise clients, implementing AI-powered semantic recommendations with OpenAI embeddings, LangChain, and Pinecone vector search, and developing responsive React interfaces with secure Node.js/Express APIs
- Developed Pulse, an internal newsletter and campaign management dashboard for DercolBags stakeholders, using Cloudflare Workers and Pages
- Maintained the Dercolbags corporate website and deployed all platforms via Docker containerization and CI/CD pipelines

Software Developer

Soft Click Solutions — Part-Time | 2025 – Present

- Maintain and support core banking software, ensuring system reliability and data integrity for financial operations
- Troubleshoot and resolve production issues to minimize downtime on client-facing banking systems
- Implement updates and enhancements to banking software features in coordination with client requirements

IT Support & Website Developer

Hopeline Institute / Moja | February 2020 – January 2024

- Provided technical support and training for the Moja e-commerce platform, enhancing customer and employee satisfaction
- Implemented data analytics solutions to improve platform performance and user engagement
- Designed and maintained websites using modern frameworks, ensuring seamless navigation and improved user engagement
- Mentored team members and provided technical training to cross-functional teams
- Resolved technical issues using systematic problem-solving approaches, reducing system downtime and improving reliability

IT Support & Website Developer

Hopeline Microfinance | May 2018 – February 2020

- Assisted in maintaining and securing IT infrastructure using cloud computing and server management
- Provided technical training and support to staff, improving system adoption and productivity
- Designed and deployed a WordPress-based website with integrated analytics, enhancing online presence and accessibility
- Implemented deployment strategies for improved system efficiency

EDUCATION

Bachelor of Science in Computer Science

Accra Institute of Technology | January 2023 – 2026

Certificate in Software Development

Codetrain Africa | January 2022 – October 2023

Certificate in Computer Networking

Ghana Communication University College | May 2019 – September 2019

CERTIFICATIONS

- AWS Certified Developer Associate- Amazon Web Services (2026)

TECHNICAL SKILLS

Programming Languages: JavaScript (ES6+), TypeScript, Python, C#, SQL

Frontend Development: React, Next.js, Tailwind CSS, ShadCN UI, Zustand, Vite, Webpack, WordPress

Skilled in creating responsive, accessible, and high-performance UIs. Experienced with testing tools (Jest, React Testing Library) and performance optimization.

Backend Development: Node.js, Express.js, FastAPI, Hono, Bun, Flask, ASP.NET

Building scalable REST APIs, authentication systems, and microservices. Proficient in database integration with MySQL, PostgreSQL, Microsoft SQL, DynamoDB, and MongoDB.

AI & Integrations: Machine Learning, Deep Learning, LLMs, Agentic AI, LangChain, Hugging Face, TensorFlow, Scikit-learn

Experience integrating AI/ML models for automation and personalization.

Cloud & DevOps: AWS (Certified Cloud Practitioner), GCP, Cloudflare Workers & Pages, Docker, CI/CD Pipelines, GitHub Actions

Ensuring smooth deployments, monitoring, and cloud-native scalability.

SOFT SKILLS

- Leadership & Mentorship — Experience leading technical teams and mentoring colleagues
- Team Collaboration — Cross-functional project coordination and stakeholder management
- Adaptability — Quick adoption of emerging technologies and frameworks
- Critical Thinking — Systematic approach to complex problem-solving
- Communication — Technical training delivery and knowledge transfer