

EBENEZER CASELY HAYFORD

Senior Software Engineer

DETAILS

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WEBSITES AND SOCIAL LINKS

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SUMMARY

Software engineer with 13 years of experience building secure, scalable, high-performance applications. I specialize in the MERN/PERN stack with deep expertise in JavaScript, TypeScript, and PHP (Laravel). I am well-versed in cloud architectures (AWS, GCP, Docker, and Kubernetes) and have a record of delivering end-to-end solutions while prioritizing a security-first SDLC, implementing OWASP best practices, data encryption, and robust identity management. Passionate about mentoring teams, optimizing performance, and driving innovation through resilient, impactful digital solutions.

EXPERIENCE

Senior Backend Developer, Givelify, Las Vegas, US (Remote)

NOV 2023 – SEP 2025

- Engineered backend APIs to support deep linking and deferred deep linking for the Givelify mobile app, improving user onboarding and attribution for enterprise clients.
- Architected custom URL encoders to intelligently route traffic between native app-specific pages and web fallbacks based on route destinations.
- Developed an internal tool, "Services Panel," to centralize engineering workflows and track pull requests, merge statuses, and deployment health.
- Authored comprehensive technical documentation for all internal products and processes, establishing a unified knowledge base for engineering teams

Senior Software Engineer, Collective[i] (via Andela), New York, US (Remote)

FEB 2021 – JUL 2023

- Engineered microservices to support analytics platforms capable of handling thousands of API calls per second.
- Automated API testing with Jest/Supertest, significantly reducing production bugs.
- Enhanced API performance through query optimization and effective caching strategies.

- Proposed and implemented infrastructure improvements that were adopted across the company.

Senior Backend Engineer, IMS LLC (via Andela), US, Remote

JAN 2020 – DEC 2020

- Spearheaded the backend design for the Momo Loans API system, facilitating financial integrations. Constructed a microservices architecture utilizing API gateways and credit bureau integrations.
- Developed a comprehensive CI/CD pipeline with GitLab, Docker, and Kubernetes.
- Executed cloud monitoring and logging, and performed load and stress testing using Artillery.

Software Engineer, Intentional Futures (via Andela), Seattle, US (Remote)

MAY 2019 – JAN 2020

- Delivered backend services for the MTC Consortium college enrollment platform, enhancing functionality.
- Conducted thorough code reviews and mentored junior engineers on industry best practices.
- Optimized database performance through Redis caching and other enhancements.

Software Developer, The Seed Funds, Accra, Ghana

OCT 2016 – APR 2019

- Developed a range of backend systems including Helpdesk, HR, and intranet applications.
- Integrated a Next.js frontend with backend services, ensuring seamless API performance.
- Enhanced application scalability through modular architecture and cloud-based deployments.

Software Developer, Pan-African Savings and Loans Limited, Roman Ridge, Ghana

DEC 2012 – OCT 2016

- Designed and developed UI using CSS, HTML, JavaScript.
- Developed T-SQL stored procedures for generating reports.
- Developed classes in Business Layer and Data Access Layer in C#.
- Used JavaScript validations with ASP.NET controls and database objects using SQL Server including complex stored procedures, triggers, cursors, views etc.

EDUCATION

MSc, Information Technology, Kwame Nkrumah University of Science and Technology, Kumasi, Ghana

2023 – 2024

BSc, Computer Science, University of Cape Coast, Cape Coast, Ghana

SKILLS

- Node.js
- Nest.js
- TypeScript
- Next.js
- HTML5
- Tailwind
- MongoDB
- MySQL
- Python

LANGUAGES

- English

CERTIFICATIONS AND LICENSES

Github Copilot Certification, Microsoft 12/2025, Certified in Cybersecurity(CC) ISC2 11/2025

- Express.js
- REST APIs
- React.js
- JavaScript
- CSS3
- Bootstrap
- PostgreSQL
- PHP/Laravel