

Stephen IBEH

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Socials: [LinkedIn](#) | [Github](#)

Programming Languages: Python, Javascript, C#; .NET; Javascript; PHP, SQL

Technologies: Git, Tensorflow, Numpy, Laravel, PostgreSQL

EDUCATION

University Of Michigan

MS Artificial Intelligence

January 2024 - Current

Dearborn, MI

- Major in Artificial Intelligence, concentration in Machine Learning with Out-Of-State Scholarship
- Courses: Algorithm Analysis and Design, Intelligent Systems, Deep Learning, Advance Neural Networks, Natural Language Processing, Pattern Recognition, Advance Stochastic Processes, Advance Artificial Intelligence

Kwame Nkrumah University of Science & Technology

BS Computer Engineering

August 2013 - July 2017

Kumasi, Ghana

GPA 3.5

- Major in Computer Engineering, concentration in Software Engineering
- Courses: Data Structures & Algorithm, Computer Systems, Computation Analysis, Linear Algebra, DSP, Multivariable Calculus, Compilers, OOP, Discrete Math, Design Patterns

WORK EXPERIENCE - 5+ Years

Andela Inc

Senior Software Engineer - JazzHR

Virtual

August 2022 - January 2024

- Spearheaded the creation and deployment of an advanced integration framework, incorporating OAuth 2.0, OpenID Connect, and SAML protocols, using Symfony, **PHP**, **ReactJS**, **MSSQL**, and **Docker** technologies. This initiative streamlined the onboarding process for new Application Tracking Systems (ATS), reducing integration time by 40% and driving a 25% increase in monthly revenue for the Partner Integration division.
- Architected and executed a robust API and background worker system that streamlined the bulk migration of users for ATS partners like Paycor to the JazzHR platform, leveraging technologies such as Symfony, PHP, ReactJS, **MSSQL**, Angular, and **Docker**. This initiative supported 62+ ATS clients, including industry leaders like LinkedIn and Chekr, processing over 5 million requests monthly, and played a key role in JazzHR's elevation to an award-winning recruitment platform status.

Zenith Bank

Software Engineer - E-Payment Team

Accra, Ghana

June 2020 – July 2022

- Spearheaded the engineering of key microservice applications for the E-Business Group, deploying C#, .NET Core, MSSQL, and Docker, directly contributing to an annual multimillion-dollar revenue increase. Orchestrated the development of high-impact APIs and background processes that enabled over 15,000 merchants to conduct payments via Zenith Bank's network, driving monthly transaction volumes over GHS 125 million and reinforcing Zenith's rank as a premier banking institution in Ghana.

IFMA

Software Engineer (Co-Founder)

Illeanu, Germany

October 2019 – 2022

- Engineered a robust, event-driven streaming infrastructure for video processing—covering ingestion, encoding, and delivery via AWS CloudFront, utilizing S3, EC2, Lambda, SES, SQS, DynamoDB, and CloudWatch, all orchestrated through AWS CloudFormation templates and Python.
- Furthermore, developed critical functionalities within the Video Content Management System for conducting marketing optimization experiments (A/B testing & Retargeting) to identify optimal strategies, using PHP, ReactJs, AWS, MongoDB, and MySQL. Additionally, designed a PHP-based testing framework for legacy web applications, slashing monthly post-deployment error rates by 76%.

PROJECTS

- **Off-Road Image Segmentation** using deep referencing [Yamaha-CMU Off-Road Dataset](#)
- [Kredify](#), a Buy Now Pay Later, Ghanaian version of AfterPay