

Emmanuel Ataba

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PROFILE SUMMARY

Recent Computer Science graduate (University of Maryland Global Campus) with full-stack development experience spanning JavaScript, PHP, Python, and Java, plus self-driven AWS cloud engineering skills. Professionally, I've built backend logic in PHP, designed CMS databases, and delivered WordPress sites for private clients; through coursework and a capstone project, I've also written Java applications and built the session management module for a cross-platform password manager in Python. Since moving to the US, I've deepened my cloud skills independently, building serverless applications, multi-tier architectures, and multi-account AWS setups. I hold an AWS Certified Solutions Architect – Associate certification and am working toward AWS Certified Developer – Associate. I'm looking to grow into a full stack role working with modern frameworks like Spring Boot and React, building on a strong foundation in REST APIs, databases, and cloud fundamentals.

SKILLS

JavaScript, Java, HTML, CSS, PHP, Python, C/C++, SQL / Database Design, RESTful APIs, WordPress, Git/GitHub, Amazon Web Services (AWS), AWS Lambda, API Gateway, EC2, S3, CloudFront, VPC, IAM, AWS Organizations, IAM Identity Center (SSO), CloudFormation, CloudWatch, Elastic Load Balancing, ACM, DynamoDB, SNS, Postman

WORK HISTORY

Full Stack Web Developer — Touko Banix, Buea, Cameroon

June 2020 – July 2023

- Developed and maintained **full-stack web applications** using PHP, JavaScript, HTML5, CSS3, WordPress, and SQL.
- Developed **server-side application functionality** using PHP, including business logic, request processing, form handling, validation, and database operations.
- Designed and developed **RESTful APIs** to support communication between frontend applications and backend services.
- Integrated frontend components with backend APIs and implemented data-driven application functionality.
- Designed and maintained **MySQL databases**, including tables, relationships, queries, and application data structures.
- Developed SQL queries for **data retrieval, insertion, updates, and reporting**.
- Built responsive user interfaces using **HTML5, CSS3, and JavaScript**, ensuring compatibility across browsers and screen sizes.
- Developed reusable frontend components and implemented client-side validation and interactive functionality using JavaScript.
- Built and customized **WordPress websites**, themes, plugins, and custom functionality based on project requirements.
- Integrated third-party services and APIs with web applications and handled API responses and error conditions.
- Applied **OOP and MVC concepts** to organize application code and improve maintainability.
- Used **Git/GitHub** for source control, code collaboration, and version management.
- Performed debugging, functional testing, API testing, and database troubleshooting to resolve application issues.
- Participated in requirements discussions, code reviews, feature development, testing, and application releases.

Technical Environment: PHP, JavaScript, HTML5, CSS3, WordPress, MySQL, SQL, RESTful APIs, OOP, MVC, Git, GitHub, Responsive Web Development, API Integration, Database Design

PROJECTS

Capstone Project: Secure Password Manager (Cross-Platform Desktop App)

- Collaborated in a team to design and build a secure password manager for Windows and Mac.
- Built the session management module in Python, handling session creation and multiplatform access.

Java Coursework Applications

- Built a range of command-line and GUI Java applications, including a calculator, gas price and metric converters, and a U.S. tax calculator (converted from a CLI tool to a GUI application per assignment specs).

Serverless Notification Platform (Take-Home Technical Assessment)

- Designed and built a serverless platform to push notifications to end users across email, SMS, and push notification channels as part of a take-home technical assessment for a job application.

- Implemented core services using AWS Lambda, API Gateway, SNS, and DynamoDB, with IAM roles scoped to least-privilege access for each service.
- Used CloudWatch to monitor logs and troubleshoot during testing; tested RESTful API endpoints using Postman.

Portfolio Website (S3 + CloudFront)

- Built and hosted a personal static website using HTML, CSS, and JavaScript, deployed on Amazon S3 with CloudFront for content delivery.
- Secured the site with HTTPS using AWS Certificate Manager (ACM).

AWS Infrastructure Projects

- Built multiple 3-tier web application architectures on AWS using EC2 instances, target groups, and load balancers, with VPC networking (routing tables, subnet design) and security groups/key pairs for access control.
- Set up AWS Organizations to manage multiple AWS accounts and configured AWS IAM Identity Center (SSO) for centralized, cross-account access.

EDUCATION

Bachelor of Science, Computer Science — University of Maryland Global Campus, Adelphi, Maryland
Completed May 2026

Bachelor of Engineering, Computer Engineering — University of Buea, South West, Cameroon
October 2020 – July 2023

CERTIFICATIONS

AWS Certified Solutions Architect – Associate — [verify](#)

AWS Certified Developer – Associate (In Progress)