James Mensah

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**EDUCATION**

**University of Ghana, Legon**  
***Bachelor of Science in Computer Science***

**Relevant Coursework:**

Network Performance with C++ and scripting,

Discrete Mathematics,

Object-Oriented Programming,

Cybersecurity,

Intelligent Agents (AI and Machine Learning)

**Interests:**

Artificial Intelligence, Cybersecurity,

Software Engineering.

**Grad September, 2019 -, August,2023**

**Skills**:

**Programming Languages:**

* JavaScript
* Typescript
* Java
* C#
* Python,
* Dart
* Solidity

**Frameworks/ Libraries:**

Front End:

• React.js • next.js

Backend:

• Node.js • Nest.js • Express.js • Django

Mobile development

• React native • Flutter

Desktop development

• java swing • Electron.js

Data Analysis: • pandas • NumPy

**Database Technologies:**

• MySQL • SQLite • PostgreSQL • MongoDB

• Realm DB

**Cloud Platforms:**

• AWS (Amazon Web Services), S3, Lightsail, Route 53 • Heroku, Netlify, OnRender, Vercel

**DevOps and Version Control**

• Monitoring: Prometheus, Grafana,

• Tools: Docker, Kubernetes, Git, GitHub

• Operating Systems: Windows, Linux, Mac OS

**EXPERIENCE**

**ZKblock | software developer**

Nov 2023- present

* Enhanced block-explorer as an indexer for [zkwallet app](https://www.zkwallet.biz/) ,enabling transaction tracking.
* Developed and automated deployment scripts using Shell and Docker, for service deployment processes.
* Developed [beta-test-faucet-app](https://beta-test-faucet.zkrypto.com/) for tokens minting across multiple networks including Sepolia, XRP and Klaytn
* writing smart contracts in solidity and contract interaction with typescript, ether.js and web3.JS
* Analyzed Hyperledger Besu system architecture, exploring methods to optimize transaction throughput.
* Developed monitoring stack for Zkwallet backend services using Prometheus, Grafana and docker for development

**Badu devapps | full stack developer**

match 2021 -June 2023

* Built front-end applications using React.js and styled with Tailwind CSS.
* Worked on back-end systems with Node.js, MongoDB, and PostgreSQL.
* Utilized AWS services like Route 53 and S3 for deployment and storage
* Contributed to cross-platform mobile app development using Flutter.

**OTHER SELECTED PROJECTS**

**Desktop Inventory** **system** | java, Java swing, SQLite.

This system offers efficient inventory, vendor, goods, and sales management with advanced data structures, SQLite integration, and a user-friendly interface.

**Crestview Lodge** | JavaScript, Typescript Node.js, react.js, cloudinary storage.

System solution:

Centralized platform for operational oversight, coordination for business and leisure events. employee management and performance tracking. Multi-Payment Integration

**IDRescue** | JavaScript, React.js, express.js

Problem: Citizens had to report lost ID cards and pay fees for replacements.

Solution:  
IDRescue web app simplifies lost ID card recovery, helping users reunite with lost cards or find their owners.