

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

EXPERIENCE

ZKblock | software developer

Nov 2023- present

- Enhanced block-explorer as an indexer for [zkwallet app](#), enabling transaction tracking.
- Developed and automated deployment scripts using Shell and Docker, for service deployment processes.
- Developed [beta-test-faucet-app](#) 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.