

PATRICK OSE EHIMEN

Blockchain Developer

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SUMMARY

I am an experienced blockchain developer proficient in developing decentralized applications and smart contracts on EVM blockchains and Solana. My expertise lies in architecting secure and scalable decentralized applications from start to finish, specializing in smart contracts and frontend UIs. I stay updated on blockchain technology, cryptographic advances, and privacy-focused solutions, integrating blockchain with enterprise systems through oracle networks and optimizing gas costs. Proficient in JavaScript, Solidity, TypeScript, React, Next.js, Node.js, and web3 Apis, I have hands-on experience developing dApps on DeFi protocols like Uniswap, Aave, Compound, and Sushiswap. My tooling includes Hardhat, Foundry, Infura, Alchemy, Moralis, for development, deployment, and testing.

PROFESSIONAL EXPERIENCE

11/2023 - 04/2024

Remote

Frontend Developer (Blockchain & DApp Specialist)

BlockX

Layer 1 and Venture Studio of next-generation applications on the blockchain.

- Designed and developed reusable UI components which was used in 3 different projects while reducing development effort by 50%.
- Re-engineered critical modules within a sprint to rely on a centralized library to optimize performance by 68%.
- Developed and implemented highly responsive user interface components using React concepts, tailored specifically for blockchain-based platforms.
- Ensure maximum performance and stability across various web-capable devices and browsers, emphasizing the unique demands of blockchain applications.
- Translated designs and wireframes into high-quality code, optimized for integration with blockchain technologies.

11/2022 - 09/2023

Remote

Blockchain Developer

Cruise Finance

Cruise Finance provides volatility-protected yield opportunities on crypto and developing DeFi dapps and smart contracts using web3 technologies.

- Optimized protocol smart contract to help save on gas fees.
- Designed, developed, and maintained highly responsive, visually appealing web applications using TypeScript, React, and Next.js.
- Collaborate with other teams to develop APIs that enable seamless interaction with blockchain data and functionalities.
- Keep track of industry trends and innovations, identifying opportunities to enhance our blockchain integration strategies.
- Ensure application performance, quality, and responsiveness, while maintaining code integrity.
- Performed root cause analysis for more than 10 issues to identify bugs and rolled out fixes to production within 24 hours.

08/2022 - 10/2023

Remote

Junior Software Engineer

ALX

ALX is empowering young people to build a limitless future.

- Closely collaborated with the dev and product team to improve the efficiency of the platform by 25%.
- Developed front-end interfaces and dashboards using React.
- Conducted unit testing, integration testing, and end-to-end testing to ensure high-quality code.
- Participated in code reviews, troubleshooting bugs, and providing technical solutions to challenges.
- Improved user interfaces by updating UI to be more intuitive, increasing onboarding by 5%.
- Wrote optimized scripts for data-heavy & processing heavy task automation.
- Contributed to the revamping of tech stack which resulted in 40% decrease in server costs.

EDUCATION

2023

- **Full-Stack Open**
University of Helsinki
 - Deep Dive Into Modern Web Development.
 - Learn React, Redux, Node.js, MongoDB, GraphQL and TypeScript all in one go! This course which is offered by University of Helsinki introduces students to modern JavaScript-based web development.
 - The main focus is on building single page applications with ReactJS that use REST APIs built with Node.js.
 - The course also has parts on TypeScript, React Native, and Continuous integration.
 - Other areas introduced includes debugging applications, container technology, configuration, managing runtime environments, and databases.

2022 - 2022

- **MSc Computer Science**
University of Benin

2012 - 2017

- **BSc Microbiology & BioTechnology**
University of Benin

ACHIEVEMENTS

Published Technical Articles/Blogs

Authored technical articles and blogs on blockchain technologies, sharing insights and learnings with the broader developer community, demonstrating ability to communicate complex concepts clearly.

Contributed to Open Source Projects

Actively contributed to several open-source projects related to blockchain, improving code quality, and participating in community discussions, enhancing collaboration and problem-solving skills.

SKILLS

JavaScript

Typescript

Solidity

Foundry

Hardhat

Reactjs

Nextjs

Ethersjs

GraphQL

Subgraphs

Rust

GO

Blockchain Networks

Ethereum (All EVM Networks)

Solana

Cosmos

PROJECTS

Portfolio Radar (still under development)

<https://github.com/Patrick-Ehimen/PortRadar>

A comprehensive crypto portfolio management tool that allows users to track their cryptocurrency and NFT holdings in one place, alongside other key features.

Merkle Distributor Airdrop

<https://github.com/Patrick-Ehimen/merkle-airdrop>

The protocol defines a factory contract for creating instances of a MerkleDistributor contract, which facilitates the distribution of ERC20 tokens to recipients using a Merkle tree for verification, enabling batch processing and efficient gas usage.

UniswapV2-flashLoan

<https://github.com/Patrick-Ehimen/uniswapV2-flashLoan>

This is a flashloan contract that is build on UniswapV2. You can borrow x token from a transaction pair, but repay with y token.