

# PATRICK OSE EHIMEN

## Blockchain Engineer

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

<https://patrick-blockchain-dev.vercel.app>

Lagos, NG

## SUMMARY

I am an experienced blockchain engineer 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 MERN stack, 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.

## EXPERIENCE

05/2023 - Present

Remote

### Full Stack Blockchain Engineer

#### Freelancer

As a freelancer, i help and solve my clients problems, by building a scalable Dapp according to specification

- Architecting and developing smart contracts and blockchain-based applications with a focus on Ethereum, Dex protocols, and tokenization strategies.
- Collaborated closely with product managers and other stakeholders to define and achieve project goals, adapting to new priorities as our dynamic environment evolves.
- Design, develop, and deploy secure, efficient, and scalable smart contracts on EVM-based platforms.
- Reviewed and optimized existing smart contracts to improve performance, reduce gas costs, and enhance security.

06/2023 - 03/2024

Remote

### Frontend Developer (Blockchain & DApp Specialist)

#### DeSpace Protocol

DeSpace, \$DES is a multi-chain DeFi & NFT Protocol layer for blockchains, with a native blockchain - DeChain .

- 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.
- Built and managed reusable components and front-end libraries for future DApp projects.
- Translated designs and wireframes into high-quality code, optimized for integration with blockchain technologies.
- Collaborate with backend developers and blockchain specialists to create holistic, seamless user experiences.
- Optimized application for maximum speed and scalability while ensuring the best user experience.

08/2022 - 10/2023

Remote

### Frontend Developer

#### 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%.
- Developing front-end interfaces and dashboards using React.
- Conducting unit testing, integration testing, and end-to-end testing to ensure high-quality code.
- Participating in code reviews, troubleshooting bugs, and providing technical solutions to challenges.

## TECH SKILLS

Solidity	Javascript	Typescript	Foundry	Hardhat	ReactJs	NextJs	EthersJs	Web3Js
GraphQL	SubGraphs	Rust	NodeJs	Git				

## EDUCATION

2020 - 2022	●	MSc Computer Science University of Benin
2012 - 2017	●	BSc Microbiology & BioTechnology University of Benin

## SIDE PROJECTS

### Portfolio Radar

🔗 still under development

A comprehensive crypto portfolio management tool build with React + Typescript that allows users to track their cryptocurrency and NFT holdings in one place, alongside other key features. Which includes:

- Dashboard: The main interface where users can view their portfolio and access various features.
- CoinInfo: Displays information about different cryptocurrencies, utilizing the CoinMarketCap API.
- CoinDetails: Provides detailed information about a selected cryptocurrency.
- DexInfo: Offers insights into decentralized exchanges (DEX) and protocols, leveraging the 0x API.
- SwapTokens: Facilitates token swaps, utilizing the 1inch API.
- CrossChainExchange: Allows for cross-chain exchanges, leveraging the Chainlink CCIP.

### EsanSwap

🔗 under development

Decentralized trading protocol. Trade, earn, and own your crypto on the all-in-one multichain DEX. Built with Next.js + Javascript

### Merkle Distributor Airdrop

🔗 <https://github.com/Patrick-Ehimen/merkle-distributor-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.

### Decentralised Bank

🔗 <https://github.com/Patrick-Ehimen/Decentralised-Bank>

Decentralised Bank is a decentralised banking platform that allows users to create accounts, deposit funds, securely store, transfer, withdraw funds, transfer funds, lock and unlock balances, change passwords and delete accounts.

## OPEN SOURCE CONTRIBUTIONS

### Contributor

Ethereum (EIPs)

📅 2024

The Ethereum Improvement Proposal repository

### Contributor

Dapp-Learning-DAO

📅 2024

Dapp learning project for developers at all stages. Becoming and cultivating sovereign individuals. Nonprofit organization.