

ELIEZER JAMES CHIHURUMNANYA

Smart Contract Engineer & Backend Developer

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SUMMARY

Result driven Smart Contract Engineer and Backend Developer with 6+ years of experience in building secure, reliable, and scalable systems. Skilled in designing, auditing, and deploying smart contracts, as well as developing robust backends for Web2 and Web3 applications. Experienced in delivering practical solutions with best practices for both startups and large-scale enterprises. Seeking a dynamic and challenging role to contribute to business success.

AREAS OF EXPERTISE

- Smart Contract & Blockchain Development
- Database Management
- Cloud & DevOps
- API Development & Integration
- Backend Development
- Software Architecture
- Automated Testing & QA
- Leadership & Collaboration

TECHNICAL SKILLS

- Solidity, Hardhat, contract audit & testing, tokenization, DeFi protocols.
- Node.js, NestJS, Express.js, TypeScript/JavaScript.
- MongoDB, PostgreSQL, TypeORM.
- Architecture – Monolith, Microservices, Serverless, API design.
- AWS (S3, Lambda, API Gateway, CodePipeline, etc.), Google Cloud, Docker, GitHub Actions.
- Jest, Mocha, Chai, Postman, Yac.
- Agile/Scrum methodologies, team management, effective communication.

KEY ACHIEVEMENTS

- Engineered and launched a collateral-backed stablecoin protocol, reducing transaction costs by 30% through gas optimization and scaling to support 50K+ active users across multiple chains.
- Designed and deployed a globally scalable occupancy tax system for a ride-hailing platform, handling 100K+ daily transactions and improving backend processing speed by 40%.
- Built and deployed an NFT Marketplace with a secure backend, enabling 10K+ NFT transactions monthly while maintaining 99.9% uptime and improving user experience scores by 25%.
- Implemented cross-chain bridge contracts and advanced DeFi mechanisms (AMM, liquidity mining, yield farming), resulting in 40% higher liquidity retention and a 35% increase in user engagement.

PROFESSIONAL WORK EXPERIENCE

Smart Contract Engineer, Streal Network

Jan 2022 - 2024

- Architected and deployed a collateral-backed stablecoin protocol from smart contract to backend.
- Implemented advanced tokenomics models and AMM mechanisms, enhancing protocol efficiency and liquidity.
- Led smart contract security implementations and gas optimization strategies, reducing costs and improving reliability.
- Performed comprehensive penetration testing on blockchain infrastructure to identify and mitigate security vulnerabilities.

Blockchain Engineer, Aqua Protocol

Jan 2021 - 2022

- Led development of a lending and borrowing protocol, significantly expanding the platform's user base.
- Developed an NFT Marketplace from smart contracts to a secure backend, enabling seamless digital asset trading.
- Designed and deployed cross-chain bridge contracts, enabling efficient asset transfers across multiple networks.
- Optimized smart contract gas usage, reducing transaction costs and improving protocol efficiency.

Backend Engineer, JamForte Technologies

Present

- Designed and built a globally scalable occupancy tax system, a critical component of a ride-hailing application.
- Developed and maintained complex backend applications using modern frameworks like NestJS and Node.js.
- Developed and maintained complex backend applications with NestJS and Node.js, ensuring scalability and reliability.
- Implemented CI/CD pipelines using AWS CodePipeline, reducing deployment time and improving release frequency.
- Architected a modular, microservice-based application leveraging a serverless approach for landlord-tenant integrations.
- Mentored a team of 13 engineers, enforcing best practices through code reviews and technical leadership.
- Gained hands-on experience with multiple database technologies, including PostgreSQL and MongoDB.

EDUCATION

B.engr in Electrical Engineering

Sep 2018 - Dec 2023

Nnamdi Azikiwe University

- Relevant coursework in Structural Design and Project Management.
- Solar Engineering, installation and maintenance
- Microcontroller programming, AT89C51/52, Arduino, Raspberrypi

LANGUAGES

- English | Native
- Chinese | Intermediate

CERTIFICATIONS

HSK3 - Chinese Language Proficiency

ICT Training - EQ Computers

HEP SSA - Higher Education Partnerships in Sub-Saharan Africa