

SAMUEL EMMANUEL D.

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SUMMARY

Results-driven Full-Stack & Blockchain Engineer with 5+ years of expertise in architecting scalable web applications and integrating innovative blockchain solutions professionally. Proven ability to bridge traditional software engineering with decentralized technology, delivering secure, high-performance systems for Web3 and FinTech industries. Adept at leading full development lifecycles from concept to deployment, with a strong focus on user-centric design and robust backend architecture.

Technical Skills

- **Languages:** JavaScript (ES6+), TypeScript, Python, Solidity, Rust, SQL, C++
- **Frontend:** React JavaScript (React.js), Next.js, Vue.js, HTML5, CSS3, Tailwind CSS, Redux Toolkit
- **Backend:** Node.js, Express.js, NestJS, Python Django, FastAPI, REST APIs, GraphQL, WebSocket
- **Databases:** PostgreSQL, MongoDB, Redis, Amazon RDS
- **Blockchain:** Ethereum, Smart Contracts (Solidity), Web3.js, Ethers.js, Hardhat, Truffle, IPFS, MetaMask
- **DevOps & Cloud:** Amazon Web Services (AWS EC2, S3, Lambda, CloudFront), Docker, Kubernetes, CI/CD (GitHub Actions, Jenkins), Terraform
- **Tools & Methodologies:** Git, JIRA, Agile/Scrum, Figma, Postman, Serverless Framework

Work Experience

Smart Contract Developer | *OpenGuild*

Remote/UK

April 2025 – August 2025

- Developed and deployed **Solidity-based smart contracts** for DeFi applications.
- Developed and audited **DeFi primitive** contracts including an **Automated Market Maker (AMM)** and **LP vault** system for a multi-chain derivatives platform, increasing capital efficiency by **40%** through optimized fee mechanisms.
- Implemented a **cross-chain bridging** solution using LayerZero, enabling asset portability between Ethereum and Arbitrum and **increasing total addressable TVL by \$20M**.
- Wrote and maintained **detailed technical documentation** for all smart contract systems, facilitating successful completion of 3 **major protocol audits** with zero critical findings.
- Participated in bounty programs and monitored for novel on-chain security exploits, implementing timely countermeasures that protected \$100M+ in user funds during market volatility events.

Blockchain Developer | Zone

Remote/Nigeria

August 2024– March 2025

- Built **production-grade smart contracts** for a **tokenization platform**, implementing **EIP-712 signatures** for meta-transactions and gasless onboarding, which improved user adoption by 25%.
- Created and maintained **The Graph Subgraphs** to index protocol events, enabling complex dashboards and **reducing front-end data loading times by 60%**.
- Contributed to **open-source Solidity projects** including a widely-used Diamond Pattern reference implementation, receiving 150+ GitHub stars and community adoption.
- Conducted peer **code reviews** with a strong focus on security best practices and **gas optimization**, improving overall codebase quality and reducing average transaction costs.

Software Specialist (Full-Stack Focus) | SSL Wireless

Remote/India

JAN 2024– JUNE 2024

- Built full-stack customer-facing web applications using Nextjs and Django, enhancing user engagement by 35% through performance optimizations and responsive, accessible UI components.
- Designed and implemented scalable RESTful APIs and managed PostgreSQL databases, supporting a user base growth from **5,000 to 50,000** and maintaining sub-200ms query performance.
- Designed and implemented a real-time notification and data visualization system using WebSocket and GraphQL subscriptions, enhancing user engagement metrics by 40% for premium clients.
- Architected and led the development of a customer-facing SaaS platform using React.js, TypeScript, and a Node.js microservices backend, serving over 250,000 monthly active users and processing 50,000+ API requests per minute.

Software Engineer (Full-Stack Focus) | Sheba Technologies Limited (STL)

Remote/India

JAN 2022– NOV 2023

- Developed and maintained full-stack features for a B2B analytics dashboard using **Nextjs and Python Django**, contributing to a 30% increase in customer subscription renewals through improved data insights and user experience (UX)
- Optimized core PostgreSQL database queries and implemented Redis caching strategies, reducing average page load time from 3.2 seconds to 1.1 seconds and supporting a tenfold user base growth.
- Created a robust **RESTful API** suite for internal and third-party integrations, documented with OpenAPI/Swagger, which became the foundation for the company's public API launch.
- Collaborated within an Agile Scrum team to deliver bi-weekly releases, participating in all phases from requirement grooming and technical design to code review and production monitoring using Datadog.
- Automated key business report generation and distribution using Python scripts and AWS Lambda (serverless functions), saving the operations team 15+ person-hours per week.

Software Engineer | PAP International LTd.

Remote/India

JAN 2021– DEC 2021

- Developed and maintained key features for a high-traffic e-commerce platform using **React.js and a Node.js** with Express.js backend, contributing to a 15% increase in user conversion rate through optimized checkout flow and UI improvements.
- **implemented server-side rendering (SSR) with Next.js** for critical product pages, improving Search Engine Optimization (SEO) performance and reducing initial page load time by 50%.
- Built and consumed RESTful APIs to integrate third-party payment and shipping services, enhancing platform functionality and reducing cart abandonment by 20%.
- Wrote comprehensive unit and integration tests using Jest and React Testing Library, increasing test coverage for core modules from 65% to 90% and reducing production bugs by 30%.
- **Collaborated in an Agile team** using JIRA, participating in daily stand-ups, sprint planning, and code reviews to ensure high code quality and timely feature delivery.

EDUCATION

Ondo State University of Science and Technology (Nigeria)

- *Bachelor Of Technology in Mechanical Engineering (4.50/5.0)*

University of London (Online)

- Bachelor Of Science in Computer Science (3.32/4.0)

Secondary School Certificate (SSC)

- Saint Patrick's Secondary School (Ibadan Nigeria)