

John Oshalusi

Senior Senior Software Engineer

SUMMARY

- Senior Software Engineer with 9+ years specializing in blockchain wallet development, SDK integrations, and scalable cloud-native systems.
- Key contributor to Lace Wallet at Input Output Group, enhancing Cardano wallet features, transaction reliability, and integrating privacy-preserving ZKP blockchain (Midnight).
- Proficient in TypeScript, React, Node.js, PostgreSQL, Redis, GraphQL, Docker, AWS, and Solidity, with strong expertise in refactoring legacy code and increasing test coverage.
- Holds MSc in Computer Science, with proven ability to collaborate with cryptography and protocol teams to deliver secure, spec-compliant blockchain solutions.

TECHNICAL SKILLS

Main Technical Skills	TypeScript (5 yr.), React (5 yr.), Node.js (5 yr.)
Programming Languages	JavaScript (5 yr.), Python (1 yr.), Scala (1 yr.), Solidity (2 yr.), TypeScript (5 yr.)
JavaScript Frameworks	Angular (2 yr.), Ext JS (2 yr.), Node.js (5 yr.), React (5 yr.)
Mobile Frameworks and Libraries	Crashlytics (1 yr.)
Python Frameworks	Django REST framework (1 yr.)
JavaScript Libraries and Tools	Electron (1 yr.), Expo (2 yr.), React Native (2 yr.), RxJs (2 yr.)
Databases & Management Systems / ORM	MongoDB (1 yr.), MySQL (1 yr.), PostgreSQL (3 yr.), Redis (2 yr.), Typeorm (2 yr.)
UI Frameworks, Libraries, and Browsers	Bootstrap 4 (2 yr.), CSS3 (2 yr.), HTML5 (2 yr.), SCSS (3 yr.)
Cloud Platforms, Services & Computing	AWS (2 yr.), Heroku (1 yr.), Netlify (2 yr.), Vercel (1 yr.)
Virtualization, Containers and Orchestration	Docker (2 yr.)
Version Control	Git (5 yr.), Github Actions (5 yr.)
Deployment, CI/CD & Administration	GitLab CI (2 yr.)
SDK / API and Integrations	GraphQL (3 yr.)

Collaboration, Task & Issue Tracking	Jira (1 yr.)
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WORK EXPERIENCE

Senior Software Engineer - Input Output Group (IOG) (Lace Wallet)

Duration: May 2022 – Present

Summary:

- Lace Wallet is a production-grade Cardano wallet serving thousands of active users, providing critical features such as transactions, staking, and account management
- It integrates blockchain SDKs and APIs to enable secure, real-time blockchain interactions and privacy-preserving features through Midnight (ZKP blockchain)

Responsibilities:

- Led development of key wallet functionalities improving transaction reliability and user experience on web and extension platforms.
- Integrated Cardano SDKs, blockchain APIs, and third-party services for secure blockchain interactions.
- Contributed to integration of Midnight for privacy-preserving features.
- Collaborated with cryptographers and protocol engineers to implement spec-compliant blockchain features.
- Refactored legacy codebases to improve performance and maintainability.
- Increased test coverage with unit and integration tests to enhance system reliability.

Technologies: TypeScript, React, React Native, Expo, Next.js, Node.js, PostgreSQL, Redis, TypeORM, GraphQL, RxJS, Docker, Solidity, Git, GitHub, AWS, SCSS

Software Engineer - SpiceFactory LLC (Core Product Development and Maintenance)

Duration: Aug 2021 – Mar 2022

Summary: Worked on improving and maintaining a large existing codebase for a core product, focusing on enhancing user onboarding flows and overall app performance in a startup environment.

Responsibilities:

- Refactored complex components into smaller, reusable pieces for maintainability.
- Built backend services using Firebase and AWS to support core features and ensure production reliability.
- Contributed to simplifying onboarding flows to reduce user friction.
- Fixed performance issues related to slow-loading screens and inefficient data fetching.
- Collaborated with a distributed team to deliver features rapidly.

Technologies: JavaScript, TypeScript, React, React Native, Node.js, GraphQL, PostgreSQL, Firebase, AWS, Scala, GitHub

Software Engineer - Ontrac Technologies Limited (Hotel Management System)

Duration: Feb 2020 – Aug 2021

Summary: Developed a hotel management system used by multiple hotels for daily



operations, including a secure desktop app for guest check-in and door access.

Responsibilities:

- Led frontend and backend development including APIs, database design, caching, and deployments.
- Built a desktop application focusing on security and usability for hotel staff.
- Introduced Redis caching to improve response times and reduce database load.
- Collaborated with business stakeholders to translate requirements into features.
- Investigated and resolved production issues to maintain system stability.

Technologies: JavaScript, TypeScript, Python, Django, Node.js, Angular, React, MySQL, MongoDB, Redis, Electron, SCSS, Git, Jira, GitHub, Heroku, Vercel

Frontend Engineer - Multitent Software (Computer-Based Testing Platform)

Duration: Mar 2018 – Feb 2020

Summary: Developed the frontend for a computer-based testing platform used by millions of students annually, ensuring a responsive and high-performance user interface during heavy usage periods.

Responsibilities:

- Implemented UI features from design to production ensuring clarity and responsiveness.
- Optimized performance to handle large numbers of concurrent users during exams.
- Collaborated with backend engineers to ensure efficient data loading and smooth user experience.

Technologies: TypeScript, Angular, HTML5, CSS3, Bootstrap, Git, GitLab, Netlify

EDUCATION

- **MSc. Computer Science**
University of East London, UK
2021 – 2023
- **BSc. Computer Science**
National Open University of Nigeria
2015 – 2019

CERTIFICATION

- **Cisco Certified Network Associate (CCNA)**
2020

