

Oluwatimilehin Jacobs

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PROFESSIONAL EXPERIENCE

Software Developer — SecureHash Inc

Remote (Canada) | Jul. 2023 – Jan. 2025

- Engineered and scaled full-stack applications with Node.js, Express, and React/Next.js, improving load performance by 30% across high-traffic systems.
- Designed and maintained REST APIs and implemented Sequelize ORM with PostgreSQL for high-throughput services handling 100K+ daily requests.
- Integrated real-time features with WebSockets for synchronous client updates and collaborative workflows.
- Implemented JWT/OAuth 2.0 authentication across microservices, similar to Firebase Auth workflows.
- Practiced domain-driven design and clean architecture, ensuring scalability and maintainability in production systems.
- Wrote unit and integration tests (Jest, Playwright) to ensure stability of real-time and backend modules.
- Maintained Dockerized development environments and supported CI/CD pipelines via GitHub Actions.
- Collaborated daily with design, product, and engineering teams in an Agile/Scrum environment.

Project Support Officer — Fourcore Integrated Services

Apr. 2022 – Feb. 2023

- Led technology adoption for Hospital Management Systems, improving operational efficiency by 25%.
- Bridged communication between clinical staff and engineering teams, translating needs into digital solutions.
- Delivered training sessions and user documentation tailored to varying technical literacy levels.

PROJECTS

DriftWay Travel App | Next.js, Node.js, Bootstrap, MongoDB, Google Maps API

- JWT-authenticated eco-travel planner with responsive UI and map visualization.
- Built reusable components with modular frontend design and API-first backend.

QuikFill Chrome Extension | Node.js, Supabase, Google Gemini API, AWS

- Used Gemini (OpenAI equivalent) to parse and populate forms, simulating PDF/CSV data automation.
- Built with Chrome messaging API, demonstrating advanced frontend-backend communication.

InnoCook Bundles | React, Node.js, Bootstrap, MongoDB

- Full-stack recipe and shopping planner app, showcasing clean UX, secure auth, and list-generation logic.

UN Countries Web App | EJS, Express, Tailwind CSS, PostgreSQL

- Data-rich platform with user login and country-level insights. Leveraged RESTful APIs and PostgreSQL for backend logic.

TECHNICAL SKILLS

Languages & Frameworks: TypeScript, JavaScript (React, Next.js, Node.js, Express), Python

Frontend: React, Next.js, Tailwind CSS, Bootstrap, Jotai

Backend: Node.js, Express, REST APIs, Sequelize, MongoDB, PostgreSQL, MySQL

Real-time Tech: WebSockets, WebRTC (peer-to-peer & group sessions exposure)

Testing: Jest, Playwright, Cypress, Chrome Extension APIs

DevOps & Tools: Docker, Git, GitHub Actions, Firebase Auth/Storage, Azure, AWS, GCP

Other: JWT, OAuth 2.0, CI/CD, Agile

EDUCATION

Advanced Diploma – Computer Programming & Analysis

Seneca Polytechnic – Toronto, ON (2025)

B.Sc. – Industrial Mathematics (Computer Science Focus)

Covenant University – Nigeria (2022)