Oluwatimilehin Jacobs

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PROFESSIONAL EXPERIENCE

Software Developer — SecureHash Inc
Remote (Canada) | Jul. 2023 – Jan. 2025

- Contributed to full-stack development of secure web apps using Node.js, Express, and Next.js, improving load performance by 30% and ensuring OWASP-compliant security practices.
- Designed and built scalable RESTful APIs for high-throughput applications, supporting 100K+ daily requests using MongoDB and Redis.
- Integrated OAuth 2.0 and JWT authentication across 5+ microservices, enabling secure, multi-tenant access for thousands of users.
- Collaborated with designers to align front-end components with usability and accessibility standards.
- Participated in product discovery, providing technical insight to product owners and contributing to 3+ major feature iterations based on user interviews.

Project Support Officer — Fourcore Integrated Services
Apr. 2022 – Feb. 2023

- Oversaw deployment of a Hospital Management Information System across two hospitals, improving operations and revenue by 25%.
- Conducted on-site user interviews to define needs and tailored solutions accordingly.
- Trained hospital staff on HMIS features and produced training documentation and usage guides.
- Bridged technical and non-technical teams, ensuring alignment of deliverables with stakeholder requirements.

IT Intern — The National IT Development Agency
Mar. – Aug. 2020

- Installed and configured hardware, OS, and applications to enhance system performance and reduce downtime.
- Monitored networks and troubleshot software issues, improving reliability and user experience.
- Assisted in drafting IT support documentation to streamline processes and reduce downtime.

PROJECTS

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

- Eco-friendly travel platform with carbon tracking, JWT-secured authentication, and real-time map features. Designed for reusability with modular components and scalable architecture.

Hotel Reservation System: *Java, JavaFX, SQLite*

- Desktop application enabling guest check-in, billing, and dynamic room allocation. Developed with MVC architecture and normalized schema.

InnoCook Bundles: *React, Node.js, Bootstrap, MongoDB*

- Full-stack meal planning tool with Passport.js authentication and shopping list generation based on meal preferences.

UN Countries Web App: *EJS, Express, Tailwind CSS, PostgreSQL*

- Interactive data platform for exploring country-level UN data with user login and RESTful APIs.

TECHNICAL SKILLS

Languages: TypeScript, JavaScript (React, Next.js, Node.js), Python, Java, PL/SQL; **Database:** MongoDB, PostgreSQL, MySQL, Oracle; **DevOps & Cloud:** Docker, Kubernetes, GitHub, AWS, Azure, GCP

EDUCATION

Seneca Polytechnic — *Advanced Diploma, Computer Programming & Analysis*
Toronto, ON | *Completed 2025*

Covenant University — *B.Sc. Industrial Mathematics (Computer Science)*
Ogun State, Nigeria | *Graduated 2022*