

# Oluwatimilehin Jacobs

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## PROFESSIONAL SUMMARY

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Highly motivated and detail-oriented Computer Programmer with a strong foundation in software development, database management, and web technologies. Proficient in multiple programming languages and tools, with proven experience designing and implementing efficient, user-focused applications such as the InnoCook Bundles Application. Adept at collaborating with teams to deliver impactful solutions, streamline processes, and enhance user experiences. Recognized for academic excellence and a commitment to leveraging technology to solve complex problems. Committed to continuous learning and excellence in delivering impactful results in fast-paced environments.

## TECHNICAL SKILLS

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**Programming Languages:** C, C++, C#, Python, Java, JavaScript, PL/SQL

**Database Management:** Oracle, MySQL, MongoDB, PostgreSQL

**Design and IDE Tools:** MS Office, Visual Studio, Visual Studio Code, Figma, Visual Paradigm

**Operating Systems:** Windows, Linux/Unix

**Web Development:** Bootstrap, CSS3, HTML5, Node JS, React, Next JS, Redis

## EDUCATION

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**Seneca Polytechnic**

*May 2023 – Present*

*Computer Programming & Analysis – Advanced Diploma, Toronto, ON.*

**Honors & Awards** (Issued by Seneca Polytechnic)

President's Honor List (December 2024, August 2023)

**Covenant University**

*September 2017 – May 2022*

*Bachelor of Science in Industrial Mathematics – Computer Science, Ogun State, Nigeria*

- **Relevant Courses:** Algorithms and Complexity Analysis, Artificial Intelligence (AI), Computer Security, Web Development, Programming Languages (C, C++, C#, Python, Java, R, JavaScript, Visual Basic, PHP), Mathematical Modelling, Numerical Analysis, Optimization Theory, Calculus

## PROJECTS (links attached)

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**Hotel Reservation System Application:** *Java, JavaFX, SQLite*

*December 2024*

- Built a JavaFX application for managing hotel reservations, guest details, and room bookings.
- Designed and implemented a normalized SQLite database with JDBC for persistent data storage.
- Developed dynamic room allocation and billing features, including multi-room reservations and discounts.

**InnoCook Bundles Application:** *React, Node JS, Bootstrap*

*August 2024*

- Developed a full-stack application for managing cooking recipes and meal plans.
- Implemented user authentication and profile management using JWT and Passport.js.
- Designed and integrated a MongoDB database for storing recipe details, user preferences, and meal history.
- Built dynamic meal planning and shopping list features, allowing users to customize their weekly menus.

**Assembly Line Management System:** *C++*

*April 2024*

- Designed and implemented classes to manage workstations and process customer orders dynamically.
- Utilized STL containers and move semantics for efficient resource management and performance.

## UN Countries Web Application: EJS, Express, Tailwind CSS

*April 2024*

- Developed a web application to display and interact with data about countries in the United Nations.
- Implemented user authentication and RESTful APIs for backend services and data retrieval.
- Utilized PostgreSQL and MongoDB for efficient data storage and management.

## **WORK EXPERIENCE**

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### **SecureHash Inc — Software Developer (Remote)**

*July 2023 – January 2025*

- Developed and maintained secure web applications using **Node.js, Express, and Next.js**, focusing on performance optimization and cybersecurity best practices.
- Built and optimized RESTful APIs and database solutions to support scalable and efficient data processing.
- Collaborated with a distributed team to deliver feature enhancements and bug fixes in an Agile environment.
- Integrated authentication mechanisms such as OAuth and JWT to enhance application security.

### **Fourcore Integrated Services — Project Support Officer**

*April 2022 – February 2023*

- Collaborated with a team under the ‘Health in a Box’ initiative to integrate multiple hospital services into a Hospital Management Information System (HMIS), enhancing operational efficiency.
- Successfully implemented the HMIS in two hospitals, ensuring smooth operation and integration across multiple departments.
- Supervised and trained hospital staff on the use of the HMIS, encouraging efficient use and enhancing the user experience.

### **The National Information Technology Development Agency — IT Intern**

*March – August 2020*

- Enhanced overall system performance and user experience by installing and configuring a variety of computer hardware, operating systems, and applications successfully.
- Maintained and tracked computer networks and systems, guaranteeing peak efficiency and reducing downtime.
- Demonstrated strong problem-solving abilities in identifying and fixing software and network problems, enhancing system efficiency and dependability.