

Oluwatimilehin Jacobs

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PROFESSIONAL SUMMARY

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. 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

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

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

Seneca Polytechnic

May 2023 – Present

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

Honors & Awards (Issued by Seneca Polytechnic)

President's Honor List (April 2025, 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)

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

April 2025

- Architected and developed an eco-conscious travel platform enabling hotel bookings, itinerary planning, and experience selection.
- Integrated Google Places and Maps APIs to deliver real-time destination data, autocomplete, and geolocation-aware features.
- Implemented secure authentication with JWT and built a responsive admin dashboard for managing users and eco-tips.
- Enabled seamless itinerary customization with day-by-day planning, experience tagging, and carbon footprint insights

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

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.