

Jola Ajayi

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EDUCATION

Carleton University, Ottawa

Sep 2019 – Dec 2023

Bachelor of Computer Science Honours, GPA: 11.20/12.00.

Minor in Psychology.

- Deans' Honour List 2021, 2022 and 2023.
- Received Carleton's \$8000 Entrance Scholarship for incoming undergraduates with GPAs of over 85%.
- **Relevant Courses:** Data Structures & Algorithms, Web Development, Object-Oriented Software Engineering, Database Management Systems, Design and Analysis of Algorithms, Software Quality Assurance, Trends in Big Data Management, Human-Computer Interaction.

SKILLS AND TECHNOLOGIES

- **Languages:** Java, JavaScript, Python, C++, C, HTML.
- **Frontend:** React.js, CSS.
- **Backend:** Node.js, Spring, Spring Boot, PostgreSQL, JUnit5, Selenium, Cucumber, MongoDB, Mongoose.
- **Others:** Maven, Windows, Linux, macOS, UML diagrams, Postman.

PROJECTS

Crazy 8's Game

Jan. 2023

Tools: Java, React, Spring, Spring Boot, Selenium, JUnit5, Cucumber, GitHub, Maven, Postman.

- Engineered a real-time multiplayer web application with **Spring Boot** and **React**, enabling seamless communication among four players across multiple browser tabs playing Crazy 8's.
- Created an automated acceptance test suite with **Selenium** and **Cucumber**, effectively implementing Behaviour-Driven Development (**BDD**) principles to ensure adherence to user requirements.
- Developed unit tests with **JUnit5**, practicing Test-Driven Development (**TDD**) to ensure a reliable and robust codebase.

Movie Database Website

Aug. 2023

Tools: Node.js, MongoDB, Mongoose, Express, React, GitHub, Postman.

- Developed a responsive full-stack web app using **Node.js**, **Express** and **React** that contains information about over 8000 movies from the IMDb API.
- Implemented intuitive interfaces for user registration, authentication, and profile management using **React** components.
- Designed and implemented a scalable cloud-based database structure with **MongoDB Atlas** enabling real-time data synchronization.
- Built a public **JSON RESTful API** that supports **CRUD** operations for movies, cast members and users.

Bookstore Database Application

Dec. 2021

Tools: Python, PostgreSQL, GitHub.

- Designed a normalized bookstore database that minimizes data redundancy and maximizes integrity.
- Implemented features required by a bookstore owner such as searching, generating sales reports and adding books using the Google Books API.

VOLUNTEER EXPERIENCE

Redeemed Christian Church of God, My Father's House

Ottawa, Canada

Software Engineer

Feb 2024 - Present

- Utilized Squarespace to maintain and update website content, ensuring accuracy and relevance of information for visitors.
- Implemented SEO strategies to enhance online visibility and attract 75% more traffic to the church's website, resulting in improved engagement and outreach.