

Jola Ajayi

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EDUCATION

Carleton University

Ottawa, ON

Bachelor of Computer Science Honours, Minor in Psychology

June 2024

- Graduated with High Distinction, Deans' Honour Roll maintained throughout degree
- Received Carleton's \$8000 Entrance Scholarship for incoming undergraduates with GPAs over 85%

EXPERIENCE

Software Engineer

Jan. 2024 – Present

My Father's House Ottawa

Ottawa, ON

- Collaborated with stakeholders to define website goals and user experience. Conceptualized and developed compelling website content aligned with SEO strategies, leveraging Javascript, CSS and HTML.
- Maintained and updated the organization's website using a Content Management System. Ensured data integrity and optimized content delivery for a seamless user experience.
- Implemented SEO best practices, including keyword research, on-page optimization, and content strategy to improve website ranking and organic traffic in search engines like Google. Increased website traffic by 75%, resulting in enhanced online engagement and outreach.

PROJECTS

Portfolio Website | *JavaScript, React, GitHub*

- Developed a sleek and responsive portfolio website using React, showcasing projects and skills effectively
- Applied modern design principles and UI/UX best practices for an engaging and visually appealing experience
- Adhered to industry-standard practices to optimize performance and ensure cross-browser compatibility
- Leveraged CI/CD pipelines provided by Netlify, ensuring streamlined deployment processes for efficient updates and maintenance.

Movie Social Media Platform | *JavaScript, Node.js, React, MongoDB, Mongoose, GitHub, Maven, Postman, Docker*

- 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
- Integrated Docker for containerization, ensuring consistent deployment environments and facilitating easy scaling and management of application services.
- Built a public JSON RESTful API that supports CRUD operations for movies, cast members, and users

Crazy 8's Game | *Java, JavaScript, React, Spring Boot, Selenium, Cucumber, GitHub*

- Engineered a real-time multiplayer web application using Spring Boot, WebSockets, and React, enabling seamless communication among four players across multiple browser tabs playing Crazy 8's
- Employed React Hooks to optimize performance, reduce load times, and ensure smooth navigation, enhancing overall site efficiency and user satisfaction
- Developed unit tests with JUnit5, practicing Test-Driven Development (TDD) to ensure a reliable and robust codebase
- Created an automated acceptance test suite with Selenium and Cucumber, effectively implementing Behaviour-Driven Development (BDD) principles to ensure adherence to user requirements

TECHNICAL SKILLS

Languages: JavaScript, Java, Python, C, C++, C#, HTML/CSS

Frameworks & Libraries: React, Node.js, Express, JUnit, Selenium, Cucumber, Mongoose

Databases: SQL (PostgreSQL), MongoDB

Developer Tools: GitHub, Docker, Postman, Jira, VS Code, Visual Studio, IntelliJ, Linux, Windows, macOS

Concepts: Data Structures & Algorithms, Web Development, Database Management Systems, Software Quality Assurance, Object-Oriented Programming, Systems Programming