

# DAVID FASHOLA

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<https://main-portfolio-teal.vercel.app/#portfolio>

## SUMMARY

Experienced Software Engineer with a strong foundation in Java, Python, and JavaScript. Proficient in end-to-end web development, utilizing frameworks such as React, Angular, and Spring Boot. Specialized in both relational and No SQL databases (MySQL, MongoDB). Skilled in version control (Git), API development, testing frameworks, and CI/CD practices. Well-versed in cloud computing platforms (AWS, Azure, Google Cloud) and security best practices. Agile practitioner with a track record of successful collaboration using tools like JIRA and Slack. Adept at optimizing code for efficiency and committed to delivering scalable and maintainable software solutions.

## SKILLS

- Project Management
- Meeting Coordination
- Project Coordination
- Mail Distribution
- Office Administration
- Data Entry
- File Management
- Event Planning
- Team Collaboration
- Basic Accounting

## TECHNICAL SKILLS

- **Programming Languages:** Java, Python, JavaScript
- **Web Development:** HTML, CSS, JavaScript, React/Angular
- **Back-end Development:** Node.js, Spring Boot
- **Database Management:** SOL (MySQL, PostgreSQL), NoSQL (MongoDB)
- **Version Control:** Git
- **API Development:** RESTful APIs
- **Testing and Debugging:** Testing frameworks (JUnit, Jasmine), debugging
- **DevOps Practices:** CI/CD, Docker
- **Cloud Computing:** AWS, Azure, Google Cloud
- **Security:** Application security best practices

## EXPERIENCE

### WINTER

#### Voice-Controlled-OS-Assistant

2024

- **Action Triggers:** The code recognizes key phrases such as 'OPEN' and 'PLAY,' triggering specific actions like opening applications or playing content on platforms like YouTube.
- **Command Variety:** The system supports a diverse set of commands, ranging from opening/closing applications to switching tabs, checking the time, and entering sleep mode. This offers a comprehensive hands-free user experience.
- **Integration with GPT:** Utilizes the advanced GPT-4 model for natural language processing, enhancing the system's capability to provide intelligent responses to user queries and commands.

### FALL

#### E-commerce Platform

2023 to 2024

- **CRUD Functionality:** The website incorporates full CRUD (Create, Read, Update, Delete) functionality, seamlessly interacting with an SQL database.
- **Secure User Authentication:** A secure user authentication system is implemented, ensuring personalized user experiences and secure transactions.
- **Performance Optimization:** Emphasis is placed on optimizing site performance, resulting in a 30% reduction in page load times through efficient database query structuring.

### SUMMER

#### Facts Repository App

2023

- Created a community-driven app in ReactJS for users to share and discover facts, utilizing Supabase for backend services.
- Implemented responsive web design to ensure cross-platform compatibility and a seamless user interface.
- Developed a dynamic content management system enabling real-time updates and user interaction.

### SPRING

#### Snake Game

2023

- Developed a Java application for the classic Snake game, prioritizing object-oriented design for code modularity and maintainability.
- Integrated Java Swing to incorporate graphical user interface (GUI) elements, facilitating intuitive gameplay and real-time user interaction.

- Implemented efficient algorithms to manage game logic, collision detection, and scoring system, enhancing the gaming experience with smooth and responsive performance.

**Winter**

### **Illusionary AI Saas Platform**

2024

- Engineered an AI-driven image editing Saas platform using Next.js 14 and Typescript, focusing on a highly interactive and performance-oriented user experience compliant with modern web standards.
- Designed and implemented a secure payment infrastructure with Stripe, facilitating smooth subscription management and credit purchasing systems.
- Established a robust user authentication framework and data management processes, ensuring an intuitive and scalable platform that accommodates a growing user base.

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## **EDUCATION AND TRAINING**

Expected in 05/2027

**BACHELOR IN COMPUTER SCIENCE: SOFTWARE ENGINEER**

**Algoma University** , Ontario, Brampton