

JESSE PROULX

ASPIRING PROGRAMMER

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PROFESSIONAL SUMMARY

Computer Programming students are passionate about building software that makes a difference. I am skilled in Java, JavaScript, and full-stack development, with experience writing production-ready code and collaborating in agile teams. Known for taking ownership, solving problems creatively, and continuously growing as a developer driven to contribute to mission-focused tools in digital forensics and cybersecurity.

EDUCATION

Computer Programming Diploma | 2024 – Present

Algonquin College of Applied Arts and Technology, Ottawa ON

Radio Broadcasting Diploma | 2015 – 2017

Algonquin College of Applied Arts and Technology, Ottawa ON

TECHNICAL SKILLS

Programming Languages: Java, JavaScript, Python, SQL, PL/SQL, PHP, COBOL, Dart

Web Development Tools: HTML5, CSS, JavaScript, PHP

Database Management Systems: PostgreSQL, Oracle, Microsoft Access, MySQL, SQL Server

Operating Systems: Windows 11, Linux (Ubuntu), Linux (Manjaro)

IDE/Software Tools: Eclipse, NetBeans, PyCharm, Visual Studio Code, Visual Studio, GitHub, Android Studio, Notepad++, XAMPP VMware Workstation, Microsoft Office Suite

Testing Tools & AI Tools: JUnit, Claude.AI

- Designed and implemented Java applications using object-oriented principles, including modular design, file I/O, and data structures. Writing code intended for production environments
- Built responsive and interactive web interfaces using JavaScript, HTML5, and CSS3, with dynamic content and user-focused design
- Practiced test-driven development using JUnit and browser-based debugging tools to ensure code reliability and performance

ADDITIONAL SKILLS

- **Ownership & Accountability:** Take initiative and responsibility for delivering key project features, from concept to implementation
- **Problem Solving & Creativity:** Solve complex challenges in Java and JavaScript development through thoughtful design and iterative debugging
- **Positive Team Energy:** Enjoy working with smart, funny, and driven teammates, bringing curiosity, humor, and dedication to every project

ACADEMIC PROJECTS

Java Project

Recipients Management Application | 2025

- Developed Java application with database connectivity using JDBC and MySQL for data management.
- Implemented Data Access Object (DAO) and Data Transfer Object (DTO) design patterns to separate business logic from data access.
- Applied Singleton design pattern to ensure efficient resource management and single database connection instance.
- Designed scalable architecture following industry-standard software development practices.

Web Development Project

Recipe Management System | 2025

- Collaborated with team of 3 developers to build comprehensive full-stack web application
- Utilized HTML, CSS, JavaScript, PHP, and XAMPP for complete front-end to back-end solution
- Implemented secure user authentication system with personalized favorites functionality
- Integrated responsive front-end design with robust database architecture for optimal user experience
- Demonstrated ability to work in team-based development environment with version control

WORK EXPERIENCE

Dining Room Supervisor | 2022 - Present

Orchard Walk Retirement Home, Manotick ON

- Supervised a team of 15 servers to ensure seamless dining service.
- Ensured compliance with RHRA and Ottawa Public Health. regulations, including resident attendance and proper sanitation.
- Managed staff scheduling, optimizing workforce efficiency and coverage.
- Oversaw recruitment of new servers, handling employee documentation and training.

REFERENCES

References available upon request