JESSICA GARCIA

London, ON, Canada

📞 226-973-7890 ✉ jessica.garcia5714@gmail.com in [LinkedIn](#) ○ [GitHub](#) ⊕ [Portfolio](#)

Education

Algonquin College	**Expected August 2026**
Graduate Certificate in Cloud Development Operations	*Ottawa, ON*
Algoma University	**December 2025**
Bachelor of Computer Science (Honours) - GPA: 3.7/4.0	*Sault Ste. Marie, ON*
Algonquin College	**August 2024**
Computer Programming Diploma (Honours) - GPA: 3.9/4.0	*Ottawa, ON*

Experience

Independent Software Engineer — **2022 – Present**
Full-Stack Development — *Remote*

- Engineered and deployed 8+ scalable full-stack applications using React, Spring Boot, and cloud infrastructure, demonstrating proficiency in modern development practices and enterprise architecture.
- Implemented CI/CD pipelines and version control workflows using Git and GitLab, reducing deployment time by 85% while maintaining code quality through automated testing.
- Architected RESTful APIs and database schemas following industry best practices, creating comprehensive technical documentation to support maintainability.

Citadel Mortgages — **2020 – 2024**
Administrative Assistant — *London, ON*

- Analyzed complex financial datasets using Excel and enterprise CRM platforms, supporting mortgage workflows and maintaining data integrity across 200+ client portfolios while developing analytical and problem-solving skills transferable to software development.

Projects

Study-Sidekick | *React, TypeScript, IndexedDB* — **2024**

- Architected offline-first progressive web application with spaced repetition algorithms, GPA tracking, and calendar integration for comprehensive academic management.
- Designed scalable state management using React Context API and Reducers, managing data flows across 15+ components while maintaining modularity and reusability.
- Optimized IndexedDB performance through strategic indexing and batch processing, achieving 30% improvement in load times and enabling offline functionality for 10,000+ records.
- Led full development lifecycle using Agile Scrum with 2-week sprints, conducting code reviews and implementing test-driven development practices.

Event Management System | *Spring Boot, React, MySQL* — **2023**

- Developed enterprise-grade role-based access control system with JWT authentication, securing 20+ RESTful API endpoints with industry-standard protocols.
- Engineered normalized MySQL database with 8 relational tables, implementing optimized indexing strategies for high-performance data retrieval and analytics.
- Built responsive dashboards using React and Recharts, providing real-time visualization for event metrics, invoice tracking, and vendor analytics through efficient API integration.
- Executed Agile Scrum framework including sprint planning and daily standups, delivering iterative releases with comprehensive API documentation.

Technical Skills

Programming Languages: Java, Python, JavaScript, TypeScript, SQL, HTML5, CSS3
Frameworks & Libraries: React, Spring Boot, Node.js, Express, JavaFX
Developer Tools: Git, GitLab, Docker, Postman, Jira, VS Code, Android Studio, Linux
Databases: MySQL, SQL Server, MongoDB, Firebase Firestore, IndexedDB
Technologies: REST APIs, JWT, OAuth, CI/CD, Agile Scrum, TDD, OOP

Certifications

- Python (Intermediate), Java (Intermediate), C++, Web Development, SQL, System Administration (Microsoft)