

Ali Monette

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PROFILE

Motivated software engineer with 3+ years of full-stack experience in Agile environments, delivering end-to-end features from design through deployment. Skilled in scalable application development, workflow optimization, and cross-team collaboration. Known for problem-solving, ownership, and mentoring in technical best practices.

SKILLS

Languages: C++, C#, JavaScript, TypeScript, HTML, CSS, Java, SQL, Python

Technologies: Node.js, React.js, Docker, Git, Elasticsearch, Postgres, Jenkins, Redis, REST, SOAP, GraphQL, JIRA

EXPERIENCE

Professor, Algonquin College • Ottawa, Canada

09/2023 – Present

- Teach C++, C#, object-oriented programming, UML, and design patterns, applied mathematics, and game physics/mechanics, with a focus on preparing students for industry-ready roles in software and game development.
- Design and deliver project-based labs and interactive prototypes in Unity and Unreal Engine (2D and 3D gameplay, networking, and design patterns) to reinforce industry best practices.
- Mentor students on collaborative workflows (GitHub, Agile), connecting academic learning with real-world development practices.
- Consistently earned strong teaching evaluations (avg. 4.5/5.0).

Software Developer, Case IQ • Remote, Canada

09/2023 – 03/2025

- Upgraded 100% of client systems from a legacy codebase, rewriting and optimizing custom features while maintaining full backward compatibility.
- Delivered full development cycles and end-to-end integrations for 100+ client upgrades, providing post-upgrade support and collaborating with Product, Platform, and Sales teams to ensure scalable implementations.
- Developed asynchronous workflows to replicate client forms, attachments, and child forms, automating previously manual processes - significantly speeding up processing and resolving errors that occurred with high volumes of attachments and nested forms, leading to improved client satisfaction.
- Designed and built efficient API integrations across REST, GraphQL, and SOAP, handling both JSON and XML data formats.
- Developed a CLI tool to automate client SSO configuration, converting hard-coded Jenkins settings into dynamic, user-controlled options. enabling clients to safely manage functionality and reducing configuration errors.
- Authored comprehensive upgrade documentation and technical guides, reducing post-deployment incidents by ~40% across teams (Confluence, GitHub).
- Developed full-stack features for B2B applications, enhancing both UI and backend functionality to improve usability, adoption, and overall experience for thousands of users.

Lead Application Tester, Case IQ • Remote, Canada

01/2020 - 12/2021

- Led QA efforts in front-end testing, uncovering critical bugs early.
- Developed Python-based automated test scripts, reducing regression testing time and improving release efficiency.
- Promoted to QA lead within one month due to initiative and accuracy in issue detection.

PORTFOLIO

Portfolio Website | [Live Site](#) • [Source Code](#)

- Developed a responsive portfolio using Next.js, Tailwind CSS, and TypeScript, featuring live GitHub integration to showcase project activity. Prioritized accessibility, performance, and modern UI standards.

EDUCATION

Algonquin College • Ottawa, Canada • Advanced Diploma

- Computer Engineering Technology – Computing Science • HONOURS Graduated 2021
- Game Development Graduated 2017