ALI MONETTE

PHONE (613) 552-4251 • **E-MAIL** amonette55@gmail.com
LinkedIn www.linkedin.com/in/alimonette

PROFILE

Motivated, knowledgeable, and skilled software engineer with 3 years of experience in full-stack development and various programming languages across diverse work environments. Collaborative team player with an ownership mentality and a history of performing at a high level to complete tasks and assist in the growth of an organization.

SKILLS

Languages: C++, JavaScript, TypeScript, HTML, CSS, C#, Java, SQL
Frameworks & Libraries: React, Backbone.js, Node.js, Next.js, Tailwind CSS
Tools & Platforms: Docker, Jenkins, GitHub, Jira, Azure, Visual Studio, Vim, Postico
Databases & Infrastructure: PostgreSQL, Redis, Elasticsearch
Practices & Methodologies: CI/CD, Agile, Scrum, B2B

EXPERIENCE

Part-Time Professor, Game Development Program · Algonquin College
Ottawa, Ontario · 09/2023 – Present
Achievements/Tasks:

· Teach C++ programming, object-oriented design, and applied math for game physics and mechanics to prepare students for industry roles.
· Introduce version control, agile workflows, and structured debugging to boost student readiness for real-world development - GitHub, Visual Studio.
· Developed interactive resources and hands-on exercises to simplify complex game development concepts, boosting student engagement and success.

Software Developer, Upgrade · Case IQ
Ottawa, Ontario · 09/2023 – 03/2025
Achievements/Tasks:

· Upgraded 100% of client systems from a legacy codebase, rewriting custom features to boost performance and retain all existing features.
· Ensured smooth transitions post-upgrade for 80+ clients by selectively running essential Bash and SQL commands, reducing downtime by ~30% and improving maintainability – Bash, PostgreSQL.
· Authored internal documentation on upgrade-specific features and known issues, reducing development time and post-deployment bugs by ~40% across teams - Confluence, GitHub.
· Delivered full-stack features for B2B apps, enhancing UI and backend functionality for thousands of users.
· Partnered with clients and analysts to resolve critical issues, contributing to high client satisfaction through clear communication - Backbone.js, Node.js, PostgreSQL.
· Built and tested internal APIs to support new features, using Postico.
· Leveraged Jenkins, Docker, and Vim for CI/CD, automated testing, and efficient debugging in staging environments, supporting User Acceptance Testing (UAT).

ALI MONETTE

PHONE (613) 552-4251 • **E-MAIL** amonette55@gmail.com
LinkedIn www.linkedin.com/in/alimonette

Software Developer, Delivery · Case IQ
Ottawa, Ontario · 01/2022 - 03/2023
Achievements/Tasks:
· Collaborated with the Delivery team during sprint planning to scope and prioritize tickets, consistently completing tasks ahead of schedule - Jira, GitHub.
· Implemented custom UI/UX functionality based on client requirements, ensuring alignment with brand guidelines and usability best practices - Backbone.js, HTML, CSS, JavaScript.

Lead Application Tester · Case IQ
Ottawa, Ontario · 01/2020 - 12/2021
Achievements/Tasks:
· Led QA team in front-end testing and documentation using Jira and Confluence.
· Proactively uncovered critical bugs early, preventing production issues and earning a QA lead role within the first month.

PROJECTS & ACHIEVEMENTS

Portfolio Website | Source Code
Designed and built a responsive developer portfolio using Next.js, Tailwind CSS, and TypeScript, showcasing projects, skills, and work history. Implemented dynamic sections with GitHub integration to display language statistics and live project links. Prioritized performance, accessibility, and clean UI to reflect modern development standards.

WorldsApart Game (Work in Progress) Source Code
Currently developing a 3D adventure RPG-style game in Unreal Engine using C++. The game features a playable character, enemy AI with behavior states, and core RPG mechanics like health, gold, and stamina systems. The project focuses on object-oriented design and scalable gameplay logic.

Client-Specific Custom Development · Case IQ
For a high-priority client, developed a fully asynchronous feature in JavaScript/Node.js to duplicate complex case forms—including files, notes, emails, and custom forms—streamlining their workflow and improving performance. While implementing the feature, I uncovered a bug with missing picklists caused by data duplication in PostgreSQL. Used Docker to trace the issue and applied targeted SQL fixes, restoring functionality and earning direct client praise for both the added functionality and quick resolution.

EDUCATION

Computer Engineering Technology – Computing Science
Algonquin College, Ottawa, ON · 09/2018 - 12/2022
Game Development
Algonquin College, Ottawa, ON · 09/2014 - 04/2017