

Karson Nguyen

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WORK EXPERIENCE

Full Stack Developer Co-op Peloton Technologies

May 6, 2024 – Dec 20, 2024
Victoria, BC (Remote)

- Developed PCI compliant payment processing platform using C# and Typescript in ASP.NET
- Updated codebase from .NET Framework to .NET Core to ensure long-term support, improved performance, and reduce technical debt
- Conducted requirements gathering with stakeholders to define ticket specifications to plan future sprints and provide technical estimations
- Provided critique and feedback in code reviews to maintain team coding standards, provide new insights and solutions, and address technical debt concerns
- Optimized LINQ queries to resolve N+1 problems and reduce API response times by over 50% to improve responsiveness of user interactions
- Designed Figma component library and template to streamline design workflow to reduce design and prototyping times by over 60%

Technologies: C#, Typescript, ASP.NET Core, EF Core, SQL Server, Figma, Git

Full Stack Developer Co-op BGC Engineering Inc.

May 8, 2023 – Dec 22, 2023
Vancouver, BC

- Developed React based GIS application with .NET backend for tracking, analyzing, and managing geohazards in high-risk industries and communities
- Designed and implemented RESTful APIs in domain-driven development using C# following SOLID principles to provide robust and maintainable code
- Collaborated with product owner and stakeholders to refine user stories to ensure sprint tasks are concise, accurate, and actionable
- Coordinated cross-team efforts in an Agile environment to maintain clear communications with product and design teams to ensure timely and quality product delivery
- Practiced test-driven development and unit testing to maintain delivery of robust code and prevent new bugs from being introduced

Technologies: React, Typescript, C#, .NET Core, EF Core, SQL Server, Figma, Git

QA Analyst Co-op Appnovation

Jan 4, 2021 – Aug 27, 2021
Vancouver, BC

- Coordinated with developers, UX/UI designers, project managers, and clients to support development efforts and guarantee deliverables are held to quality expectations
- Ensured pixel-perfect design by identifying UI discrepancies and detailing bug reports with precise fixes based on Figma specifications
- Acted as liaison between development and client stakeholders to communicate project status, triage vital bugs, and provide support for client concerns
- Performed manual and automated testing on CMS based web applications to maintain software quality
- Managed content in Contentful CMS to ensure client needs were satisfied and authored documentation to ensure successful client handoff

Technologies: TestCafe, Typescript, Figma, MySQL, Git

OPEN SOURCE EXPERIENCE

Stardew Valley Mod Developer

- Developed open source mods (add-ons) using C# .NET for popular online game Stardew Valley, garnering over 100,000 unique downloads across all mods
- Analyzed user pain points and iteratively implemented feature enhancements based on community feedback
- Collaborated with users and examined bug reports to resolve complex bugs to ensure mod quality

Technologies: C#, .NET Core, Git

EDUCATION

Simon Fraser University
BSc. Computer Science – Software Systems

Burnaby, BC
Sept. 2018 – Dec. 2024