SEAN YOON

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EDUCATION

Simon Fraser University   **Sept 2020 – (Dec 2025)**
Bachelor of Science, Computing Science – CGPA: 3.34/4.33

TECHNICAL SKILLS

Languages & Frameworks: ASP.NET, C#, React.js, Node.js, SQL Server, Snowflake, MySQL, Python, C, C++

Tools: AWS, Linux, GitLab, Docker, Visual Studio, TeamCity, REST, Azure DevOps

WORK EXPERIENCE

Software Engineer Co-op   **May 2025 – Present**
Trulioo, Vancouver, BC
- Set up a local AWS SQS environment using LocalStack, Docker, and Terraform for 3 development teams by enabling local testing of ASP.NET services without AWS dependencies, reducing development time by 20%
- Refactored encryption in 10+ ASP.NET apps, replacing legacy AKM with AWS KMS for improved security and maintainability, verifying functionality through MySQL-based data validation
- Developed a REST API endpoint in ASP.NET and React.js to enable data analysts to track business verification analytics, supporting trend analysis and cost reduction initiatives

Full Stack Developer Co-op   **May 2024 – Dec 2024**
Powerex, Vancouver, BC
- Developed Chelan Account Admin Portal using ASP.NET, React.js, SQL Server, and AD Authentication, allowing administrators to manage and monitor 1000+ energy protocols and 100+ user accounts from Chelan, WA
- Empowered energy traders to make profitable trades at Powerex by creating multiple Windows service applications using ASP.NET, SQL Server, Oracle Database, and Snowflake Data Cloud
- Swiftly diagnosed and resolved operational issues, minimizing disruption to business operations and ensuring high user satisfaction
- Collaborated closely with business analysts and end users to align technical specifications with organizational goals

Web Developer Co-op (Part Time)   **Sept 2023 – Apr 2024**
Provincial Health Services Authority, Burnaby, BC
- Developed an ASP.NET Web API used in a queue management system for handling concurrent requests within a scheduling optimizer used by health centers in British Columbia, decreasing server CPU utilization by 80%
- Created a data dictionary (ASP.NET, NuGet, SharePoint API, Excel, SFTP) to enhance uniformity in chemotherapy protocols across various health centers in British Columbia

Web Developer Co-op   **Jan 2023 – Aug 2023**
Provincial Health Services Authority, Burnaby, BC
- Designed a full-stack web application using ASP.NET Core, Razor, REST, and SQL Server that provided over 5,000 authenticated users with an interface to access business-sensitive administrative documents
- Created CI/CD pipelines using Azure DevOps, automating code integration, verification processes and deployment to test and production environments, utilizing build agents and release pipelines
- Refactored several web applications originally built in Visual Basic, adapting them within ASP.NET Core

TECHNICAL PROJECTS

Ace Detailing Web Application
(ReactJS, Nodejs Express, MongoDB Atlas, GitHub, Google Cloud)
- Collaborated with a team of 4 the business website for Ace Detailing, a local car detailing business
- Utilized React to create a responsive and cohesive frontend that allowed users to view their services and pricing
- Integrated a user portal that allows the company to upload real-time status updates for ongoing detailing requests using Nodejs and MongoDB