

Jonathan Ayotte

Junior Software Engineer
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Education

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- **B.Sc. Computer Science, Software Systems**, University of Victoria **September 2020–April 2024**

Work Experience

Full-Stack Java Development Co-op | CGI **January 2022–August 2022**
Victoria, British Columbia

- Worked as part of a larger team using agile methodologies.
- Collaboratively designed and developed a client-centric application utilizing Spring Boot for the backend and Vue.js for the front end.
- Implemented robust test scripts using TestCafe, enhancing the quality assurance process and reducing the bug rate in key application features.
- Took on a quality assurance initiative, reviewing and ensuring the reliability of new code submissions.
- Proactively learned and applied new technologies and frameworks to solve complex development challenges, demonstrating a strong commitment to professional growth and technical excellence.

Painter | A to Z Painting **May 2021–August 2021**
Victoria, British Columbia

- Delivered high-quality painting services for residential and commercial properties, ensuring meticulous attention to detail and superior finish quality.
- Efficiently managed painting projects from initial assessment and preparation to completion, consistently meeting project timelines and client expectations.
- Used technical problem-solving skills to address and overcome on-the-job challenges, such as color matching and surface preparation complexities.

Technologies and Languages

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- **Languages:** Java, Javascript, Python, Swift, Go, Racket, SML, R, HTML, CSS, Ruby, C
 - **Technologies:** MySQL, MongoDB, Git, Testcafe, SpringBoot, Vue Js, Docker, Jira, JSON, REST APIs, React.js
 - **Other:** Quantum Computing, Data Mining, Machine Learning, Data structures and algorithms II, Requirements Engineering, Functional Programming, OOP, Computer Graphics, Numerical Analysis, Statistics

Projects

Ocean Networks Canada Problem Solution Project

- Tasked with developing theoretical solutions to real-world problems using principles of requirements engineering.
- The project focused on analytical and planning skills, culminating in a well-received solution proposal that highlighted the importance of the initial stages of project development, effective teamwork, and problem-solving capabilities.
- Dealt with a multitude of tasks at each milestone of the project such as brainstorming, prototyping, and creating UML diagrams and professional reports for our solution.

Scalable Day Trading App

- Collaboratively created a scalable day trading app, mainly using Go and MongoDB.
- Created middleware authentication using JWT tokens and developed some detrimental service functions in our backend, as well as contributing to creating the front end.