

Alec Cumming

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Education

University of British Columbia - Bachelor of Science, Computer Science *Sep 2017 – May 2023*

Programming and Development tools: Java, SQL, JavaScript, Python, React, Node, Express, C++, IntelliJ, Git, BitBucket, Sourcetree, Jenkins, GitHub Actions, AWS, Docker

Work Experience

- **Software Developer I** *Bit Quill Technologies* *May 2022 – Jan 2023*
 - Contributed to the release of a JDBC driver for Amazon Aurora
 - Implemented a plugin which enables users to connect to their Amazon Aurora clusters using AWS Identity and Access Management (IAM)
 - Authored comprehensive user configuration guide for IAM Authentication plugin
 - Technologies include Java, C++, Amazon Aurora, GitHub Actions
- **Associate QA Automation Developer** *Absolute Software* *Jan 2021 - Sep 2021*
 - Created a variety of Python tools used for automation including collecting data from performance tests and posting data to confluence
 - Collaborated closely with Development and Program Management to resolve issues
 - General maintenance and improvement of the automation framework
 - Technologies include Java, Python, Jenkins, and Docker
- **Full Stack Engineer** *Bizkinnect* *Sep 2020 - Dec 2020*
 - Development on back end and front end of web-based application using JavaScript, NodeJS, ExpressJS, and React
 - Modification of software based on customer feedback reviews
 - Technologies include JavaScript, React, Node, AWS Lambda, MySQL

Projects

- **UBC LaunchPad: Workout Personalizer - Flutter/TypeScript** *Sep 2021 - May 2022*
 - Implemented a UI displaying a list of exercises that a user can select
 - Implemented Express backend to fetch data from PostgreSQL database
 - Mentored junior developers working on their first web application
- **InsightUBC Query Application - TypeScript** *Sep 2021 - Dec 2021*
 - Created local test suite with Mocha/Chai to catch inserted mutations in the code base
 - Implemented HTML parser to extract the requested information for the query
 - Created HTTP endpoints to add, remove, list and query datasets
- **Doodle Jump Clone - Java** *Dec 2019 - Jan 2020*
 - Dictate player movement with collision detection together with gravity
 - Allow continuous climbing through the implementation of camera abstraction
 - Navigate menu and character movement through mouse and keyboard input handling

Extracurricular Activities and Awards

- **Baseball**
 - UBC Junior Varsity Baseball team *2017-2020*
 - Co-captain of Shin Asahi Japan Tour team *2015*
- **Piano**
 - Grade 10 level, North Shore Music Academy *2003-2017*
- **Writing**
 - North Shore Optimist Essay Contest, 2016 2nd Place Winner
 - Authored article published in the Japanese Canadian Community Newspaper “The Bulletin”