

RONALD CHAN

SOFTWARE DEVELOPER

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Skills

Programming Languages: TypeScript, JavaScript, Java, HTML, CSS

Libraries & Frameworks: Playwright, Selenium, React

Tools: Git, GitHub, VS Code, IntelliJ, Bitbucket

Work Experience

Quality Assurance Engineer (Co-op) · Operto

May 2023 – Dec. 2023

- Enabled E2E test automation for Operto Teams and Connect products by building a testing framework using Playwright and Typescript, allowing future test development.
- Automated new deployments by integrating the E2E test automation framework into the CI/CD pipeline, ensuring software stability.
- Developed an onboarding guide for QA engineers, ensuring a smooth integration process and effective orientation within the QA team.

Test Developer (Co-op) · Visier

Jan. 2022 – Aug. 2022

- Performed manual testing, building automated tests and data validation via unit tests, integration tests and end-to-end UI automation acceptance tests.
- Reduced total automated E2E test run time by 50% by optimizing test data and parallelizing existing tests.
- Created a live test failure reporter to help developers view and analyze test results prior to completion.

Technical Projects

Effective Tests Tool · Java

- An IDE tool that uses value agnostic static analysis and source code injected dynamic analysis to create a stronger test coverage metric to help developers ensure their tests are thoroughly covered.
- Test coverage metric checks that all side effects of class methods are covered by assertions, a problem that traditional test coverage metrics fail to capture.

Folder DSL · Java

- A DSL to help simplify mass file manipulation for organization purposes.
- Supports conditionals, condition macros, loops, and mutable variables, allowing users to define complex rules for organizing file content.

UBCNotes · TypeScript

- A 12-hour hackathon project aimed at promoting inclusivity by creating a centralized platform for seamless, collaborative access to class notes among students.
- Utilized Google Firebase to create the backend infrastructure, allowing for note storage and retrieval for knowledge exchange within the academic community.

Education

The University of British Columbia

Bachelor of Science in Computer Science

References

Available upon request