RONALD CHAN

SOFTWARE DEVELOPER

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Skills

Programming Languages: TypeScript, JavaScript, Java, HTML, CSS
Libraries & Frameworks: Playwright, Selenium, React, Material UI
Tools: Git, GitHub, VS Code, IntelliJ, Bitbucket

Work Experience

Quality Assurance Engineer (Co-op) · Operto

May 2023 – Dec. 2023

- Built a testing framework using Playwright and Typescript, enabling E2E test automation for Operto Teams and Connect products.
- Integrated this E2E automation framework into the CI/CD pipeline to automate new deployments and ensure software stability.
- Developed an onboarding guide for QA engineers, ensuring a smooth integration process and effective orientation within the QA team.
- Helped manage sprint releases for smooth production deployments.

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.
- Helped optimize total automated E2E test run time by 50% from 6 to 3 hours.
- Created a live test failure reporter to help developers view and analyze test runs prior to completion.

Technical Projects

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.

Insight UBC · TypeScript

- A full stack web development project to enable effective querying of historical data regarding a university's class sections and rooms.
- Designed and implemented the backend architecture, ensuring seamless data management and optimal performance through efficient database design and API implementation.

Transit Database App · SQL & TypeScript

- A SQL database based on the TransLink transportation network using HTML and PHP to query, add, and remove essential data regarding a transportation network.

Education

The University of British Columbia

Bachelor of Science in Computer Science

References

Available upon request