Christian Valdez

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Education

Schulich School of Engineering, University of Calgary
- Master of Engineering, Software (May 2023 - May 2024)
- Bachelor of Science, Electrical Engineering (Sep 2018 - May 2023)

Skills

- **Languages:** Java, Python, JavaScript, TypeScript, C#, C, C++, SQL, HTML, CSS, Batch, Bash.
- **Frameworks:** Cypress, React, React Native, Node.js, Express.js, Django, JUnit, MySQL, Apache Spark.
- **Tools:** Git, Jira, Azure DevOps, Firebase, Supabase, TeamCity, VMware, Postman, ClearCase.

Experience

Software Quality Assurance Analyst   Feb 2024 - Present
Showpass, Calgary, AB
- Collaborating with Product and Development teams to devise testing strategies for new features, enhancing product reliability.
- Reviewing technical specifications and design documents to ensure test coverage comprehensiveness.
- Monitoring QA metrics, driving continuous improvement in software quality assurance practices.

Graduate Research Assistant   Jun 2023 - Apr 2024
Biometric Technology Lab, Calgary, AB
- Developed adaptive neural network architectures tailored for various environments, enhancing the detection of abnormal respiration patterns in sleeping clients.
- Utilized advanced person detection algorithms to improve region-of-interest identification, thereby enhancing spatial feature extraction efficiency.
- Automated data cleansing and metadata extraction processes, achieving significant efficiency gains.

Software Quality Assurance Intern   Jul 2021 - Apr 2023
Computer Modelling Group Ltd., Calgary, AB
- Enhanced software quality by conducting automated black-box tests, reducing turnaround time through effective tracking and feedback using Azure DevOps.
- Strategized and implemented testing protocols for complex, multi-system environments.
- Enhanced software standards by integrating ClearCase builds with Git commands.
- Engineered automated workflows for simulating templates, collecting results, and populating Excel, enhancing data visualization and streamlining manual operations.
- Migrated all tests to a unified TeamCity server, enhancing scheduling and reducing maintenance needs.
- Implemented tests for memory and threading errors, bolstering product reliability and security.

Projects

DayHome Timesheet System (In Progress) | React, Supabase, MySQL, Python
- Developing an augmentation tool for the Crafts Web Application, enhancing data processing efficiency and improving user interface clarity for CSV file handling
- Implementing automation features to aggregate data and facilitate reporting through CSV exports.

Dating App Clone (In Progress) | React Native, Firebase
- Collaborating on creating a cross-platform dating app, utilizing React Native to deliver a smooth and responsive user experience.

Flight Reservation System | React, Node.js+Express.js, MySQL
- Designed a user-centric web application enabling seamless flight browsing and booking experiences.
- Implemented administrative tools for managing flight crews and schedules, with agent-specific interfaces.