Ruchelle Baybayan

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TECHNICAL SKILLS

Programming Languages: Python, C/C++, C#, HTML/CSS, JavaScript
Databases: MongoDB, PostgeSQL, Oracle SQL
Web & Backend Development: React, Next.js, Node.js, Express.js, Flask, RESTful APIs
Developer Tools : Git, VS Code, Visual Studio, PyCharm, Linux, Bash, Powershell
Software Testing & QA Tools: Postman, Insomnia, Selenium (C#), TestComplete (JavaScript), TestExecute, TestRail, Jenkins, Jira, AWS EC2

EXPERIENCE

Quality Assurance Automation Engineer (Co-op)   May 2025 – Present
PAR Technology   *Markham, ON*

- Enhance automated test reliability by maintaining and improving script quality, ensuring consistent pass rates within sprint cycles.
- Develop and maintain automated test cases for web and POS systems using Selenium (C#) and TestComplete (JavaScript), integrated with Jenkins and AWS EC2.
- Log, track, and verify bugs in Jira to ensure test coverage and minimize disruptions across test scenarios.
- Conduct Smoke and Regression testing to identify issues early and support overall product stability.
- Collaborate closely with QA and QE teams to troubleshoot failures and optimize automation scripts.

PROJECTS

My Portfolio | *Next.js, React, JavaScript, Tailwind*

- Created a personal portfolio to showcase my projects, experience, and background, with a focus on clean UI/UX, responsiveness, and accessibility.

Climate Solutions App | *HTML, CSS, Tailwind, JavaScript, Express.js, Node.js, PostgreSQL, MongoDB*

- Developed a full-stack web app enabling users to create, share, and manage climate solutions projects collaboratively using robust CRUD functionality.
- Implemented secure user authentication and session tracking, displaying the last 8 login timestamps with detailed client device info.

Dictionary Application | *C++*

- Implemented a high-performance application to manage and query a dictionary of words and definitions.
- Implemented file-based data loading, efficient searching, and performance measurement features.
- Integrated modules for settings management, event logging, and time monitoring of various operations to enhance usability and debugging.

ChatTime | *HTML, CSS, Python, Flask, Socket.IO*

- Implemented a real-time messaging platform with live chat, dynamic message updates, user activity indicators, automatic avatar assignment, and instant name changes.
- Enhanced scalability and responsiveness, delivering a seamless user experience across devices with optimized front-end interactions and efficient server-side handling.

EDUCATION

Seneca Polytechnic   North York, ON
Advanced Diploma in Computer Programming and Analysis   *January 2024 – December 2026*

- cGPA: 4.0
- Relevant Coursework: Web Programming Tools and Frameworks, Software Analysis and Design I, Object-Oriented Software Development Using C++, Advanced Database Services, Operating Systems for Programmers
- President's Honour List for Winter 2024, Fall 2024, and Winter 2025