

Stash Currie

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Technical Skills

Programming Languages: C#, Typescript/Javascript, Python, SQL, Java, HTML/CSS

Technologies and Frameworks: Azure Cloud, React, .NET, PyTest, Selenium, Entity Framework, Docker, NodeJS

Tools: Postman, Jira, Unity, Git, Adobe Suite (Photoshop, Premiere), Visual Studio, Rider

Work Experience

Web Developer Co-op (React, Typescript, C#, .NET, Azure Cloud, SQL, Esri ArcGIS) May 2023 - present
Cambio Earth Systems (BGC Engineering) Vancouver, BC

- Independently developed a plot to display **NOAA National Water Model** data using **ChartJS** allowing engineers to easily visualize time-series data integrated with hazard-site specific information
- Expanded the 'Admin Tool' UI to allow direct database modifications through **Entity Framework**, saving hundreds of hours of development time, reducing lead-times by **2 weeks**, and streamlining multiple processes to meet stakeholder needs
- Undertook a major refactor of the internal token system, significantly enhancing application reliability by enabling continued functionality during external service outages, **eliminating weekly downtime**, and improving code quality and maintainability
- Led a team of developers as **Scrum Master**, collaborating with product owners, engineers, and other stakeholders to define requirements, ensuring all tickets were aligned with client expectations and delivered to specification

QA & Test Automation Co-op (Python, PyTest, Selenium, Azure Cloud, SQL) Sep 2022 - May 2023
Cambio Earth Systems (BGC Engineering) Vancouver, BC

- Developed a Python-based test automation framework using **PyTest** and **Selenium** integrated with **Azure Pipelines** to monitor system-critical apis and microservices reducing lead time by automating failure notification emails to the QA team
- Created and executed test plans using both automated and manual testing methods to verify backend cloud systems consisting of **Azure Function Apps**, **Service Buses**, and **SQL databases** ensuring reliable system performance and correctness
- Built, refactored, and updated python automation tests to respond to functional changes and to improve code maintainability, expanding coverage to 80% of existing microservices, saving hundreds of hours of QA testing capacity.
- Implemented **multi-threading** for API tests, accelerating test execution by 400% and significantly reducing overall runtime.

Projects

UBC Workday Side by Side Calendar ([Chrome Web Store Link](#)) Jun 2024 - present

- Created a browser extension using Typescript and React for Chrome and Firefox distribution with a small team of developers, gaining over **6000 users** and 5000 downloads on the **Chrome Web Store**
- Integrated the UBCGrades API into the extension allowing users to easily see historical grades data for courses
- Refactored the UI to be more responsive to screen sizes and zoom levels

ItinerAI (Top 10 Project Microsoft AI Learning Hackathon 2024) May 2024 - Jun 2024

- Created a chatbot utilizing **Azure's OpenAI** service to craft trip itineraries utilizing **LangChain** tools and agents
- Connected the chatbot to **Azure Cosmos DB** to find relevant locations using vector searching techniques
- Developed a web application using Typescript and **NodeJS** to serve as a frontend, integrating the **Google Maps API** and chatbot into the application

Education

University of British Columbia Vancouver, BC
Bachelor's of Science, Major in Computer Science Cumulative GPA: 4.0/4.33

- Relevant courses: Machine Learning, Data Structures & Algorithms, Software Construction, Calculus, Linear Algebra

Awards

- Governor General's Bronze Medal (highest average in highschool graduating class)
- BC Achievement Scholarship