Stash Currie

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Technical Skills

Programming Languages: C#, Typescript/Javascript, Python, SQL, Java, HTML/CSS, C, C++
Technologies and Frameworks: Azure Cloud, React, .NET, PyTest, Selenium, Entity Framework, Docker, NodeJS, GitHub Actions
Tools: Postman, Jira, Unity, Git, Adobe Suite (Photoshop, Premiere), Visual Studio, Rider, SQL Server

Work Experience

Web Developer Co-op (React, Typescript, C#, .NET, Azure Cloud, SQL, Esri ArcGIS) May 2023 - Sep 2024
Cambio Earth Systems (BGC Engineering) Vancouver, BC

- Implemented full-stack features end-to-end by building **React** UI frontend components connected to **C#** back-end **APIs**
- Independently developed **ChartJS** data plots to provide engineers with convenient data visualizations for critical geohazards
- **Streamlined multiple processes** to meet stakeholder needs replacing manual code-based configuration with intuitive UIs
- Developed data read models with **Azure Functions** and **SQL stored procedures**, achieving a 5x reduction in query times
- **Eliminated weekly downtime** by refactoring the internal token system to remove external image server dependencies
- Led a team of agile developers as **Scrum Master**, collaborating with stakeholders to define requirements
- Proactively sought and incorporated feedback from team members during code reviews and bi-weekly mentorship meetings

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
- Expanded automation coverage to 80% of existing microservices, saving hundreds of hours of QA testing capacity.
- **Co-ordinated 3 production releases** of Cambio's flagship software, keeping track of testing progress and meeting deadlines
- Implemented **multi-threading** for API tests to accelerate test execution by 400% and significantly reduce overall runtime

Projects

UBC Workday Side by Side Calendar (Chrome Web Store) (Github) Jun 2024 - present

- Created and launched an official **Chrome and Firefox browser extension** in React and TypeScript with **6000+ users**
- Integrated the UBCGrades API for historical course grades data to streamline UBC student's course registration workflow
- Refactored the UI to be more responsive to different screen sizes and zoom levels fixing community-reported bugs
- Maintained **open-source** project overseeing **100+ pull requests and issue** reports to ensure code quality and maintainability.

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

- Created an AI chatbot utilizing **Azure OpenAI Service** to craft trip itineraries utilizing **LangChain** tools and agents
- Engineered **Azure Cloud** infrastructure utilizing **Web Apps**, **Docker Container Apps**, and **CosmosDB**
- Connected the chatbot to **Azure Cosmos DB** to find relevant attractions using vector searching techniques
- Developed a web application with React and **NodeJS** which integrates the **Google Maps API** and chatbot

Bad Blood (Github) Nov 2021 - Apr 2022

- Created a 2D platforming game with **Unity** and **C#** with a team from the UBC Game-Dev club
- Co-led the project and mentored junior members contributing the creative and technical direction of the project
- Engineered AI behaviors using **state machine** design and implementation to enhance game difficulty and player engagement

Education

University of British Columbia Sep 2020 - Aug 2025
Bachelor's of Science, Major in Computer Science, Minor in Commerce (UBC Sauder) Cumulative GPA: 4.0/4.33

- UBC Tri-Mentorship Program, Machine Learning, System Design, Data Structures & Algorithms, OOP, Unit Testing