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 MVC, PyTest, Selenium, React Native, Docker, CI/CD
Tools: Postman, Jira, Unity, Git, Adobe Suite (Photoshop, Premiere), Visual Studio, SQL Server

Work Experience

Web Developer Co-op (React, Typescript, C#, .NET, Azure Cloud, SQL, Esri ArcGIS, HTML/CSS)   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 visualizations of NOAA NWM data
- **Streamlined multiple processes** replacing manual code-based configuration with intuitive UIs to meet stakeholder needs
- 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 on 100+ tickets
- Proactively sought and incorporated feedback from team members during code reviews and bi-weekly mentorship meetings
- Worked closely with the **UI/UX** team to design and develop new features to ensure best practices and optimal user experience

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** sending automated failure emails to reduce lead time on critical bugs
- 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
- Implemented **multi-threading** for API tests to accelerate test execution by 400% and significantly reduce overall runtime

Projects

Algo Bytes (algobytes.app)   Sep 2024 - present
- Developed an Android and iOS app using **React Native** to teach data structures & algorithms in Duolingo-inspired style
- Designed **Supabase Postgres** database schema to allow real-time updates to quizzes and questions without code changes
- Created **100+** algorithm-related questions covering topics such as runtimes, arrays, and graphs to enhance user engagement

UBC Workday Side by Side Calendar (Chrome Web Store) (Github)   June 2024 - Oct 2024
- Created and launched an official **Chrome and Firefox browser extension** in React and TypeScript with **8000+ users**
- Integrated the UBCGrades API for historical course grades data to streamline UBC student's course registration workflow
- 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 - June 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

Education

University of British Columbia   Sep 2020 - Sep 2025
Bachelor's of Science, Major in Computer Science, Minor in Commerce (UBC Sauder)   Cumulative GPA: 3.9/4.0
- UBC Tri-Mentorship Program, Machine Learning, Applied Machine Learning, Data Structures & Algorithms, OOP