Danyal Babar

UWaterloo Computer Science | Software Engineer

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Experience

Software Development Engineer Intern | **Amazon Web Services**   *Sept – Dec 2022*

- Safeguarded AWS production from **customer-impacting performance** drops by building a **pipeline performance monitoring system** that automatically detects regressions in new bad builds
- Allowed developers to analyze historical build performance metrics by building a performance report generating service using **S3**, **Athena**, and **AWS Glue Data Catalog**
- Provisioned performance monitoring of any **DynamoDB pipeline** by designing a configurable **framework**
- Enabled actionable **metric insights** by generating performance reports using **millions** of **CloudWatch** datapoints
- Reduced discovery time by **40%** by integrating alert systems, including **SlackBot**, email, and **Amazon Pageant**

Full Stack Engineer Intern | **Cisco Meraki**   *May – Aug 2022*

- Resolved several **p0** customer-impacting issues by building an **improved Android app search** for Meraki dashboard users using a Managed Google Play iframe
- Satisfied a highly requested customer need by adding the ability to create and select **Android web apps**
- Improved feature health visibility by leveraging **Grafana dashboards** to display critical performance metrics
- Achieved a **75% adoption rate** and **10,000 app selections** per day with the improved feature

Web Developer Co-op | **Cloud DX**   *Sept – Dec 2021*

- Allowed customers to tailor their analytics by rewriting the patient dashboard to be **customizable and configurable**
- Reduced load time by **45%** across all **React** screens by **optimizing caching** of assets
- Improved React design system maintainability by integrating **TailwindCSS** following a successful **proof-of-concept**

Software Quality Engineer Co-op | **NCR Corporation**   *Jan – Aug 2021*

- Automated **75%** of manual regression tests by converting them into **Selenium scripts**
- Improved code coverage by **20%** of the financial transaction test suite with new automated tests
- Caught **65%** more bugs in newly created test cases by improving test requirements

Full Stack Developer Co-op | **Betstamp**   *May – Aug 2020*

- Added the ability for users to manage multiple sportsbook accounts by building the core accounting feature
- Resolved a customer issue with missing games by **algorithmically** adding overnight games to an **API response**

Projects

myHouseKeeper | myHouseKeeper.app   *React, MongoDB, AWS*

- Housekeeping web app that lets users create house groups to manage expenses as well as auto-recurring chores

AssistiveNote | Google Play Store   *React Native, Firebase, Google Cloud Platform*

- Assistive technology Android app that helps users view real-life text more accessibly with dyslexic-friendly features

Education

University of Waterloo   *Sept 2019 – Apr 2023*

Bachelor of Computer Science, Co-op

Skills

Languages	JavaScript (ES6), Python, Java, SQL, C/C++, Ruby, HTML5, CSS
Tools & Libraries	React, Rails, Amazon Web Services, MongoDB, Google Cloud Platform, Firebase, Git, Linux, Jira