

# Danyal Babar

UWaterloo Alumni | Aspiring Software Engineer

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## Experience

### Amazon Web Services | Software Development Engineer Intern

Sept – Dec 2022 // Seattle, WA

- ▶ Allowed developers to identify performance regressions earlier and reduced debugging time by designing and implementing a **CI/CD pipeline performance monitoring system**
- ▶ Developed a **CLI tool** to help developers pinpoint the root causes of regressions and perform several methods of in-depth analysis against old performance reports
- ▶ Built queries to retrieve performance reports by metric from **S3** using **Amazon Athena**
- ▶ Reduced discovery time of regressions by **40%** by building **SlackBot** and **email alerts**

### Cisco Meraki | Full Stack Engineer Intern

May – Aug 2022 // San Francisco, CA

- ▶ Eliminated the root cause of several customer-impacting issues by building an **improved Android app search** for dashboard admins using a Managed Google Play iframe
- ▶ Added the creation and selection of **Android web apps**, a highly sought customer need
- ▶ Increased feature maintainability by monitoring adoption and error rates using **Grafana dashboards**, alongside a beta preview button to switch back to the classic view
- ▶ Achieved a **75%** adoption rate and **10,000 app selections** per day via the improved feature

### Cloud DX | Web Developer Co-op

Sept – Dec 2021 // Kitchener, ON

- ▶ Proposed and rewrote patient dashboard to make it **extensible** for clinic-specific needs
- ▶ Reduced load time by **45%** across all **React** screens by **optimizing caching** of assets
- ▶ Improved maintainability of **React design system** by implementing **TailwindCSS** after demonstrating its effectiveness through **proof-of-concept** work

### NCR Corporation | Software Quality Engineer Co-op

Jan – Aug 2021 // Waterloo, ON

- ▶ Prevented issues in **65%** of newly created test cases and improved test requirements
- ▶ Improved code quality of **20%** of money movement tests by enhancing **SQL** scripts
- ▶ Converted **75%** of manual regression tests into automated **Selenium** tests

### Betstamp | Full Stack Developer Co-op

May – Aug 2020 // Toronto, ON

- ▶ Added the functionality for users to manage multiple sportsbook accounts, transactions, and bets by building the core accounting feature using **React Native** and **Expo**
- ▶ Decreased load time by **35%** on six screens by optimizing **Redux state management**
- ▶ Resolved a customer impacting issue related to an **edge case** with missing games by algorithmically detecting overnight games and adding them to the **backend** response

## Skills

### Programming Languages

JavaScript (ES6), Python, Java, SQL, C/C++, Ruby, HTML5, CSS

### Libraries & Frameworks

ReactJS, React Native, Redux, Rails, TailwindCSS

### Tools & Platforms

Amazon Web Services, MongoDB, Google Cloud Platform, Firebase, Git, Gerrit, Linux, Jira

## Projects

### myHouseKeeper.ca

React, MongoDB, AWS

Housekeeping web app that allows users to invite friends to house groups using email signup links, as well as manage expenses and auto-recurring chores

### AssistiveNote

React Native, Firebase, GCP  
Assistive technology Android app that helps users view real-world text more accessibly, and sync their notes across devices using authentication

## Education

### University of Waterloo

2019 – 2023 // Waterloo, ON  
Bachelor of Computer Science

### GPA

3.52 // 4.00