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