Samin Sharar Nafi

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Skills

Languages	Kotlin, C#, JavaScript, TypeScript, C++, Python, Java, HTML/CSS, Groovy, SQL
Frameworks	React, Cypress, Jest, Redux, Node.js, Express.js, Gradle
Technologies	Android Studio, Docker, AWS, Jenkins, Datadog, MySQL, MongoDB, Bash, Git, Figma, Linux

Experience

Ceridian Dayforce *Toronto, ON*
SOFTWARE DEVELOPER INTERN *Sept 2023 - Dec 2023*

- Spearheaded the resolution of critical frontend bugs with a specific focus on enhancing accessibility features, implementing solutions in **React with TypeScript**, ensuring an inclusive and seamless user experience
- Investigated and resolved intricate backend bugs involving collation and validation using **C#**, applying advanced algorithms and data structures to address issues, contributing to increased stability and system performance
- Wrote an extensive suite of **Jest and Cypress tests** as well as conducted rigorous **QA testing** for multiple critical features, ensuring the delivery of high-quality software to end-users

Faire *Waterloo, ON*
BACKEND ENGINEERING INTERN *Sept 2022 - Dec 2022*

- Used Kotlin to implement **REST API** for event batching functionality with advanced algorithms to optimize event batching on PETE, resulting in a substantial reduction in API request latency and server load
- Orchestrated seamless **database migrations** on AWS using optimized SQL queries to ensure smooth transitions, and monitored performance metrics using Datadog, providing valuable insights for troubleshooting
- Implemented **Jenkins automation** using Groovy to update the e2e-green branch of backend repository to the main branch if it lagged more than 300 commits behind, streamlining development process

SOFTWARE QUALITY ENGINEERING INTERN *Jan 2022 - Apr 2022*

- Implemented a comprehensive suite of **unit**, **integration** and **E2E tests** using TypeScript, Cypress and Jest for multiple features on Faire's platform, ensuring thorough coverage of critical functionalities
- Conducted rigorous **test specification reviews** for 20+ new features and worked closely with the engineering team to identify potential issues and ensure that new features met the highest standards of quality
- Performed **exploratory testing** for Faire's large-scale events, including Faire Winter Market and Faire Fashion Week, utilizing a wide range of advanced testing techniques and tools to identify and prevent potential issues

Projects

Biology Academy: Android App

- Used Android Studio and Java to facilitate PDF download and view functionality for 300+ notes and past papers
- Implemented SEO techniques and strategic marketing campaigns driving 8000+ downloads in Google Play Store
- Designed an aesthetically pleasing prototype using Figma emphasizing user-centered design principles

BNCC Streamer: React App with YouTube API

- Developed a dynamic video streaming application using React that uses YouTube API to fetch and display videos
- Implemented robust user authentication, including login, registration, and logout features utilizing Firebase

Anime Database: React App with Jikan API

- Developed a database app that uses Jikan API to search and asynchronously fetch anime images and information
- Employed React Hooks and Context to manage state and handle lifecycle methods, ensuring a smooth UI

Education

University of Waterloo *Waterloo, ON*
BACHELOR OF COMPUTER SCIENCE *Sept 2020 - Apr 2025 (expected)*