

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

Faire

Waterloo, ON

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

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)