Samin Sharar Nafi

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Skills

Languages	Kotlin, Typescript, C++, Python, Java, Racket, HTML/CSS, Groovy, SQL
Frameworks	React, Cypress, Jest, Redux, Node.js, Express.js
Technologies	Android Studio, Docker, Bash, Firebase, AWS, Figma, Linux, Git

Experience

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

- Spearheaded the backend development of event batching functionality on the Faire internal event tracking tool, PETE, transforming the tool into a mission-critical resource used by hundreds of Faire employees daily
- Implemented **REST API** with advanced algorithms and data structures using Kotlin to optimize event batching on PETE, resulting in a substantial reduction in API request latency and server load
- 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 **end-to-end tests** and **integration tests** using Typescript, Cypress and Jest for multiple features on Faire's platform, ensuring that all critical features were thoroughly tested
- 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 to facilitate PDF download, storage, 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
- Integrated React Router to enable smooth navigation and routing between different pages and components

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
- Achieved 99% performance on Google Lighthouse Audits by optimizing rendering and enhancing app efficiency

Honors & Awards

2019	**Represented Bangladesh**, International Olympiad on Astronomy and Astrophysics
2019	**5th Place**, Bangladesh Olympiad on Astronomy and Astrophysics National Round

Education

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