



NIZAR JANDAL ALRIFAI

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 github.com/saber74

Technical Skills

Languages: Python, TypeScript, Java, Kotlin, Groovy, C, C++, JavaScript, SQL, R

Web-Dev: Node.js, React.js, Express.js, Knex.js, HTML5, CSS3, Django, Koa.js, REST API, Bootstrap

Other: Git, Jenkins, Docker, Redis, PostgreSQL, MySQL, Jest.js, AWS, CI/CD, Maven, Azure, Gradle, Linux, Jfrog, PCF, Pytest

Experience

Faire

May 2022 - August 2022

Backend Engineer Intern

Waterloo, ON

- Implemented Faire's retailers' most requested feature to migrate Canadian users to local currency, affecting all monetary databases and surfaces, leading to an **increase of 46% in GMV (Gross Merchandise Value)** in the first 14 days
- Led development on **2 critical projects** reducing Faire's support contact rate by improving duty related customer experience
- Acted as **Directly Responsible Engineer for the projects**. Responsible for collaborating with UX and product partners to scope user stories, onboarding engineers to the project, and **managing the overall execution across multiple Engineering teams**
- Built new APIs for high traffic areas such as Cart and Checkout using **Kotlin, MySQL, JUnit, Jersey, and Hibernate**

Wealthsimple

August 2021 – December 2021

Software Engineer Intern

Toronto, ON

- Architected and developed a new company-wide secure database change management system (**with Postgres**) to **eliminate unreviewed or fraudulent database changes** by removing single point of failure from data handling workflow
- Designed and implemented the backend, schemas and API of the Price-Alerts feature leveraging **Koa.js, Knex.js, and Jest.js**
- Used **TypeScript, Redis, AWS, Datadog, and Periscope** to reduce latency across the codebase by **20%** and ensure backend systems that support trading are robust, and can scale to massive user traffic and order volume
- Reduced **type related errors by 90%** in the trade repository, eliminating the chances of type-related critical incidents, through planning and executing a major codebase redesign of the main trade service
- Spearheaded **Crypto and Trade load testing** using automated **k6 scripts**, to support upwards of 1 million concurrent users

Manulife Financial

January 2021 – April 2021

DevOps Engineer Intern

Waterloo, ON

- Provided continuous development and functional testing on **40+** Jenkins Pipelines used by **500+** employees using **Groovy**
- Used **Node.js** and **React.js** to create internal migration tools decreasing manual labour time **by 20%**
- Automated onboarding tasks leveraging REST APIs resulting in **90% faster** setup/cleanup time to teach employees new skills
- Created new pipelines using **CI/CD** principles, integrating code quality tools like **SonarQube**, and pushing Artifacts to **Jfrog**

Sony Interactive Entertainment (PlayStation)

May 2020 – August 2020

Software Engineer Intern

Waterloo, ON

- Worked on the PlayStation 4 Console Store using **Python** to migrate to new API dependencies to unify logic across platforms
- Supported world-wide releases of the **\$20+ billion** yearly console store through integration and regression development and testing
- Optimized regression test suites to be **19.83% faster**, through code and logic recreation and optimization

Projects

UW BluePrint (Canadian Children Book Center team)

 [Github](#)

Senior Software Engineer volunteer

- Mentored junior developers** and collaborated with a team of volunteers to create a website from scratch for the non-for-profit
- Created a review platform, and an admin dashboard for admins to monitor users and reviews utilizing **Typescript, React**
- Designed a system to **integrate an external payment service** to allow for user subscriptions of various tiers using **Postgres**

BusyMaps

 [DevPost](#)

- Created a real-time platform to visually represent busyness of areas using **Google Places API** data and a **Flask** based backend

SeizeControl

 [DevPost](#)

- Utilized **OpenCV, Firebase, Python**, to create a Chrome extension to filter seizure-inducing frame in YouTube videos

Education

University of Waterloo

September 2019 – Current

Bachelor of Applied Sciences in Computer Engineering

Waterloo, ON

- Cumulative Average: 90%, Dean's Honor List (2x terms, top 10/160 students)
- Relevant Courses: Data Structures & Algorithms (100%), Numerical Methods (100%), Systems Programming & Concurrency (98%)