


NIZAR JANDAL ALRIFAI

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Education

University of Waterloo

September 2019 – 2024

Bachelor of Applied Sciences in Computer Engineering

Waterloo, ON

- Cumulative Average: 90%, Dean's Honor List (3x terms, top 10/160 students)
- Relevant Courses: Data Structures & Algorithms (100%), Numerical Methods (100%), Systems Programming & Concurrency (98%)

Experience

Extend Enterprises

September 2023 - December 2023

Software Engineer Intern

New York City, NY

- Facilitated annual transactions totaling **\$2 billion** by developing a REST-API integration with AMEX using **Kotlin and Spring**
- Suggested and implemented new 2FA methods including authentication apps and text messages utilizing **AWS and Twilio**
- Designed a feature to add AMEX virtual credit cards into mobile wallets (**Google and Apple**), adopted by **91% of users**
- Used **React** to recreate an internal support and admin portal reducing technical debt and speeding up future development time

Riot Games

May 2023 - August 2023

Software Engineer Intern

Los-Angeles, CA

- Reduced wasted time on **failed builds by 30%** by designing an internal tool for VALORANT in **C#** to enable teams to create quality control rules to validate code and graphical asset changes. This tool ensures a high standard in the organization
- Developed a fork of Epic Games' UnrealGameSync to enable **600+ employees** to sync and manage code and content
- Created User Interfaces for internal tooling to allow non-developers easy access, decreasing dedicated **support time by 89%**
- Developing pipelines to ensure continuous release of patches and updates to **20+ million players** across the globe

Faire

May 2022 - August 2022

Software Engineer Intern

Waterloo, ON

- Increased **Canadian Revenue by 46%**, through designing and implementing a migration of Canadian retailers to local currency
- Improved the import duties experience for **40k+ retailers across Europe** by leading development on 2 critical projects
- 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 workflows
- Designed and implemented the backend, schemas and API of the Price-Alerts feature leveraging **Koa.js, Knex.js, and Jest.js**
- Reduced latency across the application by **20%**, allowing for faster market open trades utilizing **TypeScript, Redis, AWS**
- Reduced **type related errors by 95%** in the trade repository, eliminating the chances of type-related critical incidents, through executing a major codebase redesign of the main trade service

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 **92% faster** setup/cleanup time to teach employees new skills

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
- Optimized regression test suites to be **19.83% faster**, through code and logic recreation

Projects

UW BluePrint (Canadian Children Book Center team)

 [Github](#)

- Created a book 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**

Technical Skills

Languages: Python, TypeScript, Java, Kotlin, Groovy, C, C++, JavaScript, SQL, C#, 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, .Net, Jest.js, AWS, CI/CD, Maven, Azure, Gradle, Linux, PCF, Pytest