





# Nizar Jandal Alrifai

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## Technical SKILLS

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- **Languages:** Python, Java, Groovy, Shell, SQL, Matlab, R, C++, C
- **Web-Dev:** HTML5, CSS3, Javascript, Node.js, React.js, Django, REST API, Bootstrap
- **Other:** Git, Jenkins, Docker, CI/CD, Maven, Android Studio, Azure, Gradle, Linux, Unix, Jfrog, PCE, Atlassian, Pytest

## EXPERIENCE

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### Wealthsimple

Toronto, ON

Software Engineer Co-op

Aug 2021 - December 2021

- Using **TypeScript, Ruby, Java, Redis, PostgreSQL, AWS, and more** to ensure backend systems that support Trade are performant, resilient and can scale to massive user traffic and order volume

### Manulife Financial

Waterloo, ON

DevOps Engineer

January 2021 - April 2021

- Provided continuous development and functional testing on **40+** Jenkins Pipelines used by **500+** employees using **Groovy**
- Used **Node.js** and **React.js** to create various internal web-based solutions to facilitate other teams in the organization
- Automated various tasks leveraging REST APIs resulting in **100x faster** setup/cleanup time to teach Manulife employees new skills
- Developed utilities and scripts utilizing **Python** and **Shell** scripts to assist in multiple major migrations of tools
- Created new pipelines using **CI/CD** principles, integrating code quality tools such as **SonarQube**, and pushing Artifactory to **Jfrog**

### Sony Interactive Entertainment (PlayStation)

Waterloo, ON

Software Developer

May 2020 - August 2020

- Worked on the PlayStation 4 Console Store using **Python** to migrate to new API dependencies to unify logic across different 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 enhancements, alongside multiple coverage investigations
- Designed and developed automated tests with maximum requirement coverage through **Pytest**
- Maintained multiple environments using **Docker**, and performed code execution through custom-made **Jenkins** pipelines

### Canada South Science City (CSSC)

Windsor, ON

Full stack Web Developer

July 2019 - September 2019

- Built the organization's main website from scratch, using a new up to date responsive design through **HTML5, CSS3, and Bootstrap**
- Integrated **Javascript**, for a functional and interactive design, boosting the website's monthly visitors by **317.6%**

## PROJECTS

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### BusyMap

Hack the 6ix

- Winner of **Geotab: Ignition Data Challenge**
- Relayed user input to a **Flask** based back-end using custom made API end points and **Microsoft Azure**
- Utilized **Javascript** to develop an interactive attractive front-end user experience
- Created a real-time platform to visually represent busyness of areas using data from **Geotab** and **Google Places API**
- Established front-end to back-end communications using query-able **RESTful** endpoints

### Mini-Games Android Mania

Personal Project

- Developed a series of entertaining multiplayer visual **Java** games using **LibGDX**
- Created an app to utilize phones as controllers, using **Android Studio**
- Established a connection using sockets between laptops and phones through a remote **Digital Ocean** server

### Seize-Control

Hack The North

- Utilized **OpenCV, Firebase, Pytube, HTML** and **CSS** to create a Google Chrome extension to filter seizure-inducing YouTube videos
- Processed and analyze pixels per frame using self-designed mathematical algorithms through **Python**
- Modeled the data collected and analyzed in an interactive user-friendly manner utilizing **Javascript**

## EDUCATION

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### University of Waterloo

Waterloo, ON

BASc in Computer Engineering

2019-2024(expected)

- Awarded Dean's Honour List twice demonstrating high academic performance within the cohort with an average of 96.5% last semester