



Jordan Jamali

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Skills

Languages: Python, Java, C#, C++, JavaScript, HTML/CSS, Bash

Technologies: Django, React, PostgreSQL, SQL, Git, Docker, Elasticsearch, Kubernetes, Linux

Methodologies: OOP, Agile/Scrum Development, REST, CI/CD

Work Experience

Canon — Backend Software Developer

Jan 2022 - May 2022

- Worked on software that deals with the rapid transfer of petabytes of sensitive medical data
- Collaborated with developers and architects to design the best solutions to complex technical problems, such as transitioning the entire codebase from CQL to SQL
- Engineered various core components of the codebase such as linking tables, connection to containers, query builders, using **Java**, **SQL** and Liquibase
- Optimized the speed it takes to retrieve imaging data, saving up to **28%** of the previous time
- Lead the implementation of Kerberos and its automatic installation using Java and **Bash**
- Leveraged unit and system tests to maximize efficiency of code using Java, Python, **Kubernetes**, and **Jenkins**

4GL Solutions — Full Stack Software Developer

May 2021 - Aug 2021

- Built speed-sensitive interface screens that are used by tens of thousands
- Created and optimized server logic using **test-driven development** - reduced memory usage by up to **85%** by pre-generating spreadsheet forms and by coming up with optimal algorithms for data management
- Created server functionality to accept and write spreadsheet data using **pandas**
- Developed dozens of APIs using **Django**, **Docker** and Oracle
- Designed and constructed customized and specialized UI components using **React** and **Bootstrap** to be used across the company
- Pair programmed and participated in code reviews to create quality software

Projects

Intervals — Django, React, PostgreSQL, Docker, NGINX



- Created a **web application** in which users can train their musical ear through a progressive quiz based system
- Made use of **Django REST Framework** and **Django's ORM** to create an API complete with user **authentication**, using principles of **test-driven development**
- Containerized application using **Docker** and **NGINX**

JungleDiff — Django, React, PostgreSQL



- Developed a **web application** that displays analyses and insights on user gameplay from their League of Legends matches using the Riot Games **API**
- Implemented **REST API** to manage and store player information with **Django** and **PostgreSQL**, and optimized software to minimize server requests to the Riot Games API
- Used Python machine learning library to fit data from users' games to a logistic model of the playerbase's data

Education

University of Waterloo — BAsC Candidate, Biomedical Engineering

Sep 2020 - Apr 2025

- Cumulative 85.6% GPA

Interests

Writing, Songwriting and Electric Guitar/Bass (Rock Band!), Video Games, Chess, Philosophy