Jordan Jamali

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Skills

- Languages: Java, Python, C++, C#, SQL, Bash, JavaScript, HTML/CSS
- Technologies: Django, Docker, Git, Kubernetes, Linux, PostgreSQL, CI/CD, React

Experience

Backend Software Developer @ Canon Jan 2022 – Apr 2022

- Engineered the transition from CQL to SQL while still supporting CQL for software used by over a thousand hospitals worldwide, using Java, **SQL, Liquibase**, and Elasticsearch
- Redesigned and implemented core classes related to the backend schema, responsible for handling **700,000,000+** medical imaging records annually
- Leveraged unit and system tests to optimize various aspects of code using Java, Python, **Kubernetes**, and **Jenkins**, reducing runtimes by up to **8%**
- Lead the implementation of Kerberos and its automatic installation using Java and **Bash**

Full Stack Software Developer @ 4GL Solutions May 2021 – Aug 2021

- Developed server APIs and logic for ERP application using **Django**, **Docker** and Oracle, and constructed customized and specialized UI components using **React** and Bootstrap to be used across the company
- Delivered server functionality to accept and write spreadsheet data using **pandas,** reducing memory usage by up to **85%** by pre-generating spreadsheet forms and deploying optimal algorithms
- Reduced average time it takes for the user do routine tasks by **24%** by redesigning the user interface and reducing backend load times with threading and load balancing
- Used principles of **test-driven development,** increasing test coverage by **39%**

Projects

Intervals | Django, React, PostgreSQL, Docker, NGINX

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

JungleDiff | Django, React, PostgreSQL, SciPy

- Developed a web application that displays analyses and insights on user gameplay from their League of Legends matches using the Riot Games API, through a REST API with **Django** and **PostgreSQL**
- Minimized requests to Riot Games API to maximize access rate of data
- Used SciPy, a Python machine learning library to fit player data to a logistic model based on all player data

Education

University of Waterloo — BASc Candidate, Biomedical Engineering Sep 2020 – Apr 2025

- Cumulative GPA: **85.6%**