






Personal details

 Kagan Rua

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 Montreal

 kaganrua.com

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Skills

Python

Django

Pip

Jupyter

Java

Maven

Docker

Kubernetes

Postgresql

Redis

AWS

Git

Javascript

React

Nodejs

Nextjs

Education

BSc. Computer Science

Sep 2017 - Dec 2021

McGill University

Employment

Contract Full-Stack Developer

Mar 2024 - Present

Rolls-Royce, Montreal

- Led the architecture and rollout of a modern employee management system, replacing a legacy VBA app and reducing database queries by 75% through UI-level logic and streamlined APIs, while implementing secure access control and multilingual support to meet Quebec compliance standards.
- Introduced Agile practices and streamlined task management, enabling a newly formed team to deliver granular tasks through sprints and structured issue tracking.
- Collaborated with engineering and operations teams to prototype a workscoping app digitizing complex engine maintenance workflows.
- Increased cross-team visibility by writing technical documentation linking engineering outcomes to business value.

Full-Stack Developer

Nov 2022 - Oct 2024

Zetane Systems

- Built user-friendly AI interfaces using React and Node.js, simplifying machine learning workflows for non-technical users.
- Designed and deployed a billing analytics system with Stripe, Postgres, and Django to track user plans and enforce usage limits.
- Optimized model performance tracking by migrating filtering logic to the frontend, reducing database load per request.
- Developed a `pip` package for AI model deployment using Kubernetes and Minikube, automating context configuration, pre-deployment verification, and seamless deployment of the ZetaForge Electron app from AWS S3.
- Built an automated pipeline for meter readings with computer vision, S3 storage, and Docker/Kubernetes for inference orchestration.

Bash/Linux	●●●●●
Jira	●●●●●
Agile	●●●●●
Collaboration & Teamwork	●●●●●
Communication	●●●●●
Problem-Solving	●●●●●
Adaptability	●●●●●
Technical Writing	●●●●●

## Languages

English	●●●●●
French	●●●●●
Turkish	●●●●●

## Hobbies

- Acting
- Salsa
- Vinyls
- Skiing
- Scuba Diving
- Backpacking

### Java/Scala developer

Morgan Stanley

Jan 2022 - Nov 2022

- Developed extra features in QA environment for bond pricing algorithms in Scala
- Deployed production changes in production environment using git, jira, and Morgan Stanley's CI/CD tools.
- Worked in a team using Agile methodologies and developing extra features for UI apps and porting them as applets to appropriate workbench.
- Implemented automated unit and functional tests for UI app's functionality using Selenium and Application Lifecycle Management.
- Integrated different systems used in the company to Morgan Stanley's Risk Analysis Framework.

## Projects

Personal Website

Dec 2024 - Present

- Developed a personal portfolio website using React for a dynamic and responsive UI.
- Hosted the website on Netlify, ensuring fast and reliable deployment.
- Used GitHub for version control, maintaining a structured and collaborative development process.
- Showcased projects, skills, and experience, enhancing professional online presence.

## Extracurricular activities

Improvisation

Montreal

Apr 2024 - Present

Participating in improv has helped me hone quick-thinking, adaptability, and communication skills. Through regular performances and practice sessions, I've developed the ability to collaborate effectively in dynamic, unscripted environments. Improv has strengthened my ability to think on my feet, stay calm under pressure, and bring creativity to problem-solving—skills that translate seamlessly into my professional life.