







Personal details

-  Kagan Rua
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Skills

Python (Django, Pip, Jupyter)

Django

Pip

Jupyter

Java (Maven, Springboot)

Maven

Docker

Kubernetes

Postgresql

Redis

AWS

Git

Javascript (ReactJS, NodeJS, NextJS)

React

Nodejs

Nextjs

Bash/Linux

Jira

Education

BSc. Computer Science
McGill University

Sep 2017 - Dec 2021

Employment

Full-Stack Developer
Rolls-Royce, Montreal

Mar 2025 - Present

- 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
Zetane Systems

Nov 2022 - Oct 2024

- 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.

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.

Agile

Collaboration & Teamwork

Communication

Problem-Solving

Adaptability

Technical Writing

Languages

English

French

Turkish

Hobbies

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

Projects

Personal Website

Dec 2024

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

Apr 2024

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.