Kevin Mok

647-685-2500
me@kevin-mok.com
linkedin.com/in/Kev-Mok
github.com/Kevin-Mok

Projects

Rarity Surf

Oct 2021

Python, Django, JavaScript, React

- Developed a full-stack web application to generate NFT rarity rankings integrated with OpenSea APIs, improving market research efficiency by 80%.
- Architected a Django (Python) backend to fetch and process NFT metadata from IPFS, store rankings in PostgreSQL, and expose data through GraphQL APIs at low latency.
- Developed a dynamic React frontend using hooks and responsive UI patterns, reducing frontend load times by 70%.

Spotify Visualized

June 2019

Python, Django

- Built a high-performance Django backend that processed 10,000+ tracks per user library using the Spotify API.
- Optimized PostgreSQL data modeling and query paths to reduce latency by 50% for core workflows.

Astronofty

Jan 2023

JavaScript, React, Solidity

- Secured 2nd place overall out of 150+ teams at UofTHacks X for developing a blockchain-based NFT marketplace app.
- Built and optimized React components to synchronously upload images and metadata to IPFS, enhancing user engagement by 80% during the demo.

Work Experience

Red Hat

Cloud/Software Engineer Intern May 2020 — Aug 2021

Kubernetes, GoLang, Jenkins

- Reduced deployment time by 66% by implementing a local-binary deployment path on Kubernetes/OpenShift, cutting release cycles from 45 minutes to 15 minutes.
- Eliminated 80% of manual configuration errors by automating operator-side data fetching and config updates, reducing startup time by 40%.
- Improved application stability by introducing startup probes for legacy applications with longer boot times, reducing startup failures by 50%.
- Enhanced reliability by assigning probe defaults dynamically from deployed YAML and fixing reconciliation issues, increasing probe accuracy by 30%.
- Increased CI pipeline efficiency by rewriting a Jenkins nightly pipeline for GitHub PR environments, reducing manual intervention by 60%.
- Demonstrated leadership in Agile sprint planning within a 12-member team, improving sprint velocity through better task delegation.
- Increased reproducibility by creating a reusable GitHub parameters file for the pipeline, enabling consistent setup across environments.

Skills

Python, **Django**, **JavaScript**, **React**, **Node.js**, **PostgreSQL**, **MongoDB**, **Bash**, **Git**, **Linux**, **Command Line**, **Go(Lang)**, **AWS**, **Kubernetes**, **Terraform**, **Docker**, **Compose**, **Jenkins**, **Groovy**, **Solidity**, **C**

Education

University of Toronto (St. George)

Computer Science Specialist

3.84 GPA

2019 — 2024