

Harrison Kim

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LinkedIn



GitHub



Personal

Profile

I am a very passionate and eager-to-learn software engineer focusing on full-stack web development. Particularly interested in system architecture to deliver the most effective and efficient solutions. With strong attention to detail and excellent problem-solving skills, I enjoy writing logically succinct code to solve real-world problems.

Work Experiences

Freelance Full Stack Engineer | Next.js, MongoDB, Stripe, Resend, Next-Auth, i18next

Jun 2023 - Sept 2023

dandycv

Remote

- Effectively managed large volumes of user data within the admin page by incorporating features like search, sorting, and filtering, achieving a 70% reduction in loading time through lazy loading with pagination.
- Implemented a payment system using Stripe and integrated data sharing with a desktop application through APIs.
- Optimized the DB system by meticulously designing data model relationships, resulting in remarkable 50% reduction in access frequency.
- Optimized the router with REST API for enhanced maintainability, reducing the number of routes by 25%.
- Collaborated with a UI designer and an ML engineer using cooperative tools such as Figma and Postman.

Full Stack Engineer | Laravel & Vue.js, Tailwind, SQL, AWS, Jira, Confluence, BugSnag

Dec 2021 - Jan 2023

modzee Software

Hamilton, ON (Hybrid)

- Enhanced DB performance by leveraging Eloquent Relationships in Laravel, cutting DB access time by 33%.
- Enhanced performance by achieving a 60% reduction in loading time through the successful migration from vanilla JS to Vue.js.
- Successfully designed a comprehensive roadmap for a multivendor e-commerce platform, including store, inventory, shipment, and payment pages.
- Authored detailed project documents on Confluence for enhanced team collaboration and effectively resolved Jira tickets for new features, improvements, and BugSnag bug reports.

Related Projects

mosPic | Next.js, Segment Anything, Open Source Projects, Project Manager

May 2023

- Effectively distributed tasks to each team member and ran a 2 week-sprint using Agile as a project manager.
- Engaged with an open-source community to obtain a server running SAM (Segment Anything), which enabled us to access on ONNX model, allowing us to concentrate on our web development tasks.

Dashboard | Laravel & Vue.js, Inertia.js, Tailwind, Pinia.js, Agile, Laravel Forge, AWS, Nginx

Jan 2023

- Setup a server on AWS using nginx and DNS server to utilize my personal domain.
- Utilized Inertia.js for SSR to enhance performance by 40%.
- Designed the UI from scratch using the sketch app for wireframe and Figma, considering the optimized workflow from the user's perspective.

University Campus Map | Three.js

Fall of 2017

- Utilized **esm2world** to create 3D models from OSM data, significantly reducing development time.
- Implemented physics in the map with interactions with user input.

Skills

HTML | Tailwind CSS | Responsive Design | JavaScript | jQuery | Next.js (React.js) | Node.js (Express.js) | Laravel & Vue.js | SQL & NoSQL (MongoDB) | Python | Java (OOP) | AWS | Version Control (GitHub, Bitbucket) | DevOps (Jira) | Figma | TDD | Agile | Communication | Leadership | Time Management

Education

University of Manitoba

B.Sc in Computer Science

Sept 2015 - May 2020

Winnipeg, MB



University
of Manitoba