

# Harrison Kim

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## EXPERIENCE

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

Jun 2023 - Sept 2023

[dandycv](#)

Remote

- Handled large volumes of user data on the admin page by incorporating search, sorting, and filtering features, achieving a 70% reduction in loading time through lazy loading with pagination.
- Implemented an email notification system to enhance customers communication, including features like "forgot password", resulting in a 60% reduction in response time and a 20% increase in response rate.
- Integrated a subscription-based payment system using Stripe, which significantly streamlined the product management process while aiming to enhance user experience and facilitate seamless transactions.
- Developed APIs to share payment data with the promoted desktop application, enhancing data accuracy and minimizing manual errors.

**Full Stack Engineer** | Laravel, Vue.js, Tailwind, SQL, AWS

Dec 2021 - Jan 2023

**modzee Software**

Hamilton, ON (Hybrid)

- Architected and developed an e-commerce platform, expected to enhance user engagement by 40% and projected to increase overall revenue by 25% in the subsequent six months after launch.
- Improved performance by migrating from jQuery to Vue.js, achieving a 60% reduction in loading time.
- Optimized DB performance by leveraging Eloquent ORM in Laravel, cutting DB access time by 33%.
- Refactored the routes with resource controllers and REST API, reducing the number of routes by 25%.
- Resolved bugs reported on BugSnag and Jira tickets, while producing comprehensive project documentation in Confluence to promote team collaboration.

## PROJECTS

**mosPic** | Next.js, TypeScript, Open Source Community, Project Management

May 2023 - Present

- Distributed tasks effectively to each team member and ran a 2 week-sprint using Agile as a project manager.
- Utilized Google CoLab to generate an ONNX model, enabling the image segmentation AI to analyze given images.
- Engaged with the open-source community to acquire backend code running Segment Anything, enabling the generation of image embedding files and facilitating focus on web development tasks.

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

Jan 2023

- Configured AWS VPC and EC2 instances with Nginx, and managed DNS for web hosting with personal domain.
- Enhanced performance by 40% with Inertia.js, bolstering SSR for faster loading and improved user experiences.

**Pet Friends** | Laravel, React.js, Bootstrap, Google Maps API

Apr 2021

- Utilized Google Maps API to integrate GPS location functionality, resulting in a 30% increase in location accuracy and enhancing user engagement by 25% through location-based features.

**University Campus Map** | Three.js

Fall 2017

- Utilized osm2world to create 3D models from OSM data, significantly reducing development time.
- Applied physics within the system, allowing for interactions with user input.

## TECHNICAL SKILLS

HTML | JavaScript | jQuery | TypeScript | Tailwind CSS | Figma | Responsive Design | SQL & NoSQL | Schema Design | AWS | Nginx | Version Control (GitHub, Bitbucket) | CI/CD | Agile | Python | Java (OOP) | Android Studio

## EDUCATION

**University of Manitoba**

Sept 2015 - May 2020

Bachelor of Science - Computer Science

Winnipeg, MB