

# Harrison Kim

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## EXPERIENCE

**Freelance Full Stack Engineer** | Next.js, MongoDB, Stripe, Next-Auth, i18next June 2023 - September 2023  
**dandycv** Remote

- Reduced page load time by 25% via lazy loading, enhanced UX with integrated search, sorting, and filtering.
- Boosted data accuracy by developing API endpoints for payment data sharing with the desktop application.
- Streamlined product management with Stripe integration, minimizing steps and optimizing efficiency by 50%.
- Implemented email notifications with Resend, projecting 35% more user interactions.

**Full Stack Engineer** | Laravel, Vue.js, Tailwind, SQL, AWS January 2022 - January 2023  
**modzee Software** Hamilton, ON (Hybrid)

- Improved performance by migrating to Vue.js, cutting loading time by 30%.
- Optimized DB performance by leveraging Eloquent ORM in Laravel, cutting DB access time by 50%.
- Architected and developed scalable e-commerce platform within SaaS framework, projecting 40% more interactions.
- Utilized collaboration tools like Jira and BugSnag, generating comprehensive project documentation on Confluence, resolving an average of 10+ tickets per week.

## PROJECTS

**TBD** | React Native, Flask, Firebase, Next.js, TypeScript, Project Management January 2024 - Present

- Engineered a prototype using Next.js, ensuring mobile adaptability through responsive design; Incorporated React Native and Flask to support cross-platform functionality.
- Integrated Firebase to handle real-time chat, authentication, and database functionalities, significantly boosting app interactivity and fostering greater user engagement.

**mosPic** | Next.js, TypeScript, Open Source Community, Project Management May 2023 - July 2023

- Distributed tasks effectively to each team member and ran a 2 week-sprint using Agile as a project manager.
- Leveraged 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, Pinia.js, Tailwind, Agile, AWS, Nginx January 2023 - March 2023

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

**Pet Friends** | Laravel, React.js, Bootstrap, Google Maps API April 2021 - June 2021

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

**University Campus Map** | Three.js November 2017

- Leveraged OSM2World to generate 3D models from OSM data, significantly reducing development time.
- Applied physics within the system, elevating user interaction by 25%.

## 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** September 2015 - May 2020  
Bachelor of Science - Computer Science Winnipeg, MB