

# KEVIN HUANG

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## Skills

JavaScript • TypeScript • React • Redux • Tailwind • Bitbucket • React Native • Cordova • Jest • HTML • CSS • Python • Git • Vue.js  
Webpack • CI/CD • Unit Testing • BrowserStack • Node.js • Module Federation • Re.Pack • Java • LangChain • Flask • FAISS  
Micro frontend • Nx Monorepo • Docusaurus • Frontend • i18n • English, French – *all professional proficiency*

## Experience

**Software Engineer** [Workforce Software](#) *Vancouver, BC, Canada* **01/2022 - Current**

- Redesigned and integrated key components from one web application into another application using **JavaScript**, **TypeScript**, **React**, and **Redux**, allowing customers to purchase these components as a module, which contributed to this year's \$103 million in annual revenue.
- Enhanced user experience for over 30,000 daily users by streamlining the authentication flow in our Cordova mobile app, reducing steps and improving accessibility.
- Optimized the SDLC by implementing automated PR deployments in Bitbucket, consolidating staging environments into a single instance, allowing QA to test in isolation, and saving developers several hours per PR through this improved process.
- Designed and implemented the front-end authentication architecture for a new **React Native** project using React and TypeScript, ensuring a secure and scalable authentication structure.
- Collaborated with product management, UX, and backend teams to deliver high-quality, responsive features, ensuring alignment with user requirements and consistently achieving sprint goals in an **Agile environment**.

**Software Engineer** [AspenTech](#) *Montreal, QC, Canada* **07/2021 - 12/2021**

- Migrated legacy code to a modern tech stack by redesigning multiple web pages using **Vue.js**, reducing technical debt and improving maintainability for future enhancements.
- Implemented data visualization features using **Java** and **Google Web Toolkit**, which improved the ability of clients to quickly interpret critical operational data, leading to better decision-making.

**Consultant** [Deloitte](#) *Montreal, QC, Canada* **07/2018 - 07/2021**

- Implemented Workforce Software Time and Attendance solutions using **JavaScript**, resulting in a **30% increase in payroll accuracy**.
- Automated scheduling workflows leading to an **80% reduction** in the time required to create and manage employee schedules.
- Delivered training workshops to client teams, achieving a **95% adoption rate** within the first three months post-implementation.
- Conducted in-person requirements gathering sessions with clients, translating business requirements into technical configurations within Workforce Software, resulting in tailored solutions that addressed clients' most critical workforce management challenges.

## Education

**Honours BSc in Computer Science** [University of Ottawa](#) *Ottawa, ON, Canada* **Grad. 04/2018**

- StartupWeekend 2017: Social Impact award
- QHacks 2016: Best Domain Name award

## Projects

**Full-Stack Engineer** [Digital Art Studio](#) **07/2024 - 08/2024**

- Developed an AI-powered drawing platform for [VIVA](#) using **TypeScript**, **React**, and **Redux**, featuring drawing tools like a color picker, eraser, and undo/redo functionality for an intuitive user experience.
- Integrated AI-powered image enhancement using **Stable Diffusion**, enabling users to transform their drawings.
- Implemented i18n localization for multi-language support, making the app accessible to users from various countries.

**Full-Stack Engineer** [AI-Enhanced Documentation Hub](#) **04/2024**

- Developed a documentation website using **Docusaurus** and **TypeScript**, centralizing all Workforce Software product configuration guides into a single, easily accessible location.
- Integrated an AI chatbot, to assist users with configuration-related queries, utilizing an API built with **Python** and **Flask**.
- Trained a generative AI model for the chatbot using Python, **LangChain**, and **Google Gen AI**, employing **FAISS** for efficient data indexing to deliver contextual responses based on the PDF configuration guides.

## Open Source Contributions

- Akita pet for [vscode-pets extension](#)**: Created and [contributed](#) various animations for a Japanese Akita inu pet to the extension. (07/2023)