Kevin Le

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TECHNICAL SKILLS

Frontend: JavaScript, TypeScript, React, Redux, HTML/CSS, TailwindCSS
Backend: Python, Node.js, Express, SQL (PostgreSQL), MongoDB, MySQL, RESTful API, Firebase
Testing/Deployment: TDD (Jest, Mocha, Chai, Testing Library), AWS: EC2

SOFTWARE ENGINEERING APPLICATIONS

harper | *Web app development for a streaming platform for artists and their fans*   *Repo*
- Collaborated with six engineers in agile development by conducting code reviews, facilitating task management via **Trello**, and engaging in architectural decisions in order to create a **WebRTC** based app for artists to stream content
- Designed a sleek, intuitive, and responsive UI/UX using **CSS Grid** and **Flexbox** that enhances the user's experience and adapts to all screen sizes, enhancing usability on mobile devices
- Extracted video data efficiently with **Cloud Firestore** for faster loading performance

atelier | *Complete system redesign of a bottlenecked API and database*   *Repo*
- Improved throughput of service from 200 reads/sec to 3500 reads/sec by horizontally scaling with **AWS EC2 servers** and leveraging **NGINX** as a load balancer
- Devised high-performance SQL queries using **PostgreSQL** aggregate functions to extract data and convert it into JSON format for consumption through RESTful API endpoints
- Identified performance bottlenecks in EC2 CPU utilization and in SQL queries by load testing with **K6** and **Loader.io**, leading to a 1000 ms faster query on the heaviest route
- Expanded API capacity by 46% by implementing **Redis** caching layers on every server

mecca | *Polished front-end implementation for an e-commerce application*   *Repo*
- Reduced first contentful paint by 6000 ms by implementing **code splitting** with React lazy loading
- Leveraged **React** to develop reusable components for displaying ratings and reviews, including star ratings, user reviews, and sorting/filtering options
- Tracked user's clicks via React's useContext hook to gain insight into user behavior

PROFESSIONAL EXPERIENCE

Payroll Tax Analyst | UKG   2019 - 2022
- Created custom SQL queries in **Microsoft SQL Server** to extract over 100,000 lines of payroll data from various companies and performed ad-hoc data analysis with Excel Pivot Tables
- Automated ETL process by writing custom **Python** scripts to transform and rename CSV files, enhancing daily task efficiency
- Increased quarterly per-person-production by 33% by building Salesforce BI reports that identified a list of quick turnaround cases to be assigned to analysts

EDUCATION

University of California, Irvine | B.A. Economics   2013 - 2017
- Python, Linear Algebra, Calculus