

Kevin Le

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TECHNICAL SKILLS

Frontend | JavaScript, TypeScript, React, Next.js, HTML, CSS, Redux, Material UI, Tailwind

Backend | Python, Node.js, PostgreSQL, Express, Redis, MongoDB, MySQL, MS SQL Server, Firebase

Testing/Deployment | Jest, Mocha, Chai, Testing Library, AWS (EC2, RDS), Grafana k6, Vercel

SOFTWARE ENGINEERING APPLICATIONS

Software Engineer | [Pomoquest](#)

2023 - present

A production-level, gamified pomodoro timer to improve productivity using React, Typescript, Next.js, Prisma, TRPC, & Material UI

- Leveraged **PlanetScale** for database hosting, ensuring efficient and scalable data management while maintaining high performance levels and reliability
- Integrated **Clerk Auth** for user authentication & route protection, to enable user-specific settings
- Designed **webhooks** to synchronize third-party authentication service data with back-end storage, thus providing seamless data integration and synchronization
- Implemented an API rate limiter using **Upstash** and **Redis**, providing a secure and stable production application environment by managing request traffic and protecting against spam attacks

Software Engineer | [harper](#)

2023

Content management & streaming platform for artists and their fans using React, Express, WebRTC, and Firebase

- 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
- Engineered an API that abstracted Firebase methods, enhancing data fetching efficiency and promoting seamless collaboration within the team

Software Engineer | [atelier](#)

2023

Complete system redesign of a bottlenecked API and database using PostgreSQL & Express

- Improved throughput of service from 200 reads/sec to 3500 reads/sec by horizontally scaling with **Amazon Cloud** 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

PROFESSIONAL EXPERIENCE

Payroll Tax Analyst | UKG

August 2019 - October 2022

- Designed 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 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

Hack Reactor | Software Engineering Immersive Program

December 2022 - March 2023

University of California, Irvine | Bachelor of Arts in Economics

September 2013 - June 2017

- Relevant Coursework: Python, Linear Algebra, Calculus