

# Kevin Le

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## TECHNICAL SKILLS

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

**Backend** | Java, Spring, Spring Boot, Python, Node.js, PostgreSQL, Express, Redis, MongoDB, MySQL

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

## SOFTWARE ENGINEERING APPLICATIONS

**Full Stack Software Engineer** | [Pomodoro](#)

2023 - present

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

- Increased user engagement by 20% through the implementation of a user-specific virtual currency system to track productivity, along with implementation of feedback through toasts and alerts
- Designed **webhooks** to eliminate data discrepancies between third-party authentication service data with back-end storage, reducing data synchronization time by 50%
- Decreased spam attacks by 95% by implementing an API rate limiter using **Upstash** and **Redis**
- Improved database query response time by 40% and ensured 99.9% uptime by leveraging PlanetScale for efficient and scalable database hosting

**Full Stack Software Engineer** | [Harper CMS](#)

2023

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

- Achieved a code review turnaround time of 24 hours or less for 95% of reviewed code on a team of six engineers, ensuring efficient collaboration and code quality
- Designed a sleek, intuitive, and **responsive UI/UX** using CSS Grid and Flexbox that enhanced usability on mobile devices, leading to a 15% increase in user satisfaction ratings based on UI/UX surveys and user feedback
- Engineered an API using **Firebase** that optimized data fetching efficiency, reducing data fetching time by 30% and simplified data access and manipulation.

**Backend Software Engineer** | [System Design](#)

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

Aug 2019 - Oct 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** | Certificate in Software Engineering

Dec 2022 - Mar 2023

**University of California, Irvine** | Bachelor of Arts in Economics

Sept 2013 - June 2017