

Kevin Le

Full Stack Software Engineer | Garden Grove, CA | (714) 884-8274 | iamkevinle@gmail.com
[kevinle.xyz \(portfolio\)](https://kevinle.xyz) | linkedin.com/in/kevinleaves | github.com/kevinleaves

TECHNICAL SKILLS

Programming Languages | TypeScript, JavaScript ES6+, SQL, Python, Java, HTML, CSS3

Technologies | React, Node.js, Next.js, Material-UI, Express.js, Webhooks, tRPC, GraphQL, Spring, jQuery

Databases | Microsoft SQL Server, PostgreSQL, Redis, MongoDB, MySQL, Firebase

Deployment | AWS (EC2, RDS), NGINX, Docker, Vercel

System Design | Monoliths, Microservices, Domain-driven design, Message passing, Event-driven architecture

SOFTWARE APPLICATION DEVELOPMENT EXPERIENCE

Full Stack Software Engineer | [Email Marketing Automation](#)

Mar 2023 - present

Integrated a headless content management system to manage a tech blog & send out email newsletters using Sanity CMS, Twilio MailSend API

- Utilized **SendGrid API** and **webhooks** to develop an automation that sent newsletter content to subscribed users in an email list upon publishing of a blog post
- Engineered **GraphQL**-style queries to retrieve, sort, and filter blog post content from Sanity cloud storage
- Generated dynamic **XML sitemaps** for blog posts to improve site crawlability and indexability for improved **SEO**

Full Stack Software Engineer | [Pomodoro](#)

May 2023 - July 2023

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

- Achieved our target **SLA** of less than 10ms per query and ensured 99.9% uptime by leveraging PlanetScale for efficient and scalable **MySQL** database hosting
- Utilized the Clerk SDK for communicating with the **Google Auth API**, including a custom **webhook** for an event driven creation of user records in the PlanetScale MySQL database
- Throttled 95% of spam attacks by implementing an API rate limiter using **Upstash** and **Redis**

Backend Software Engineer | [System Design](#)

Jan 2023 - Feb 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 AWS servers and leveraging **NGINX** as a load balancer
- Devised high-performance SQL queries using **PostgreSQL** aggregate functions to extract data and convert it into yJSON 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 max throughput capacity by 46% by implementing **Redis** caching layers on every server

PROFESSIONAL EXPERIENCE

Computer Science Instructor | CodeSpeak Labs

Aug 2023 - present

- Educated students from k-12 around Orange County in order cultivate their interest in programming and develop their knowledge of coding and web development using languages Scratch, Bitsbox, JavaScript, HTML & CSS

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
- Spearheaded an automated ETL process by writing **Python** scripts to transform and rename CSV files, enhancing daily task efficiency
- Queried potential cases and aggregated **Salesforce BI** reports to form a queue of future work for analysts, which were sorted by complexity. This had a measurable impact of increasing our average cases per quarter by 33%

EDUCATION

Hack Reactor | Software Engineering Certificate

2023

University of California, Irvine | BA Economics

2017