

Kevin Lin

Senior Software Engineer

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GitHub: <https://github.com/fullstack-dev-web>

Professional Summary

Senior Full Stack Software Engineer with 10+ years of experience building and operating production-grade web applications with a strong backend focus. Deep experience in **Python-based services, SQL/PostgreSQL systems, and TypeScript/React frontends**, with a track record of delivering reliable, well-tested software in fast-moving, remote environments. Comfortable owning features end-to-end—from problem definition and system design through deployment and iteration—while collaborating closely with product, design, and stakeholders. Passionate about thoughtful engineering, mentorship, and building tools that help people do meaningful work.

Skills

- **Languages:** Python/Cython, JavaScript/TypeScript
- **Frameworks:** Django, Flask, FastAPI, Node.js, Express.js, Next.js, React.js
- **Cloud Platforms:** AWS, GCP
- **Database:** PostgreSQL, MySQL, MongoDB, Redis
- **Messaging & Streaming:** RabbitMQ, Apache Kafka, Apache AirFlow
- **DevOps & Infrastructure:** Docker, Kubernetes, CI/CD Pipelines
- **Architecture & Systems:** Microservices, Distributed System

Professional Experience

Senior Software Engineer – Gusto

May 2025 – Present

- Contribute to business-critical, customer-facing platforms with an emphasis on **backend service design, system reliability, and maintainable architecture**
- Develop and maintain backend services using **Node.js and Python**, exposing clean, well-documented APIs consumed by **React/TypeScript** frontend applications
- Design and optimize **SQL-based data models** (PostgreSQL-style systems), improving performance, data integrity, and long-term scalability
- Collaborate closely with frontend engineers to deliver intuitive user experiences while maintaining clear backend/frontend boundaries
- Partner with product managers and cross-functional stakeholders to **prioritize work, clarify requirements, and deliver production-ready features**
- Support cloud-hosted deployments, monitoring, and post-release troubleshooting in a **remote-first, CI/CD-driven environment**

- Participate in code reviews, architectural discussions, and documentation to promote high engineering standards and shared ownership

Senior Software Engineer – Intuit

Jan 2023 – May 2025

- Built and maintained scalable, customer-facing web platforms used by enterprise customers in distributed production environments
- Delivered full-stack features using **TypeScript, React, Node.js, and RESTful APIs**, with a strong emphasis on backend correctness and data integrity
- Implemented backend services with a focus on **testability, extensibility, and clear separation of concerns**
- Worked extensively with **relational databases (SQL/PostgreSQL)**, including schema evolution, query optimization, and performance tuning
- Collaborated with designers, product owners, and engineers to co-design features from concept through launch
- Supported production releases, incident resolution, and ongoing system performance improvements
- Contributed to internal documentation and mentoring through knowledge sharing across distributed teams

Lead Mentor – Area Youth Ministry

Apr 2022 – Jan 2023

Software Engineer – Salesforce

May 2014 – Apr 2022

- Developed and supported **large-scale, production-grade enterprise systems** with high expectations for reliability, performance, and availability
- Built and maintained backend services using **Python and Node.js**, following REST-based and service-oriented architectures
- Collaborated with frontend teams to support JavaScript-based UI integrations while maintaining backend ownership
- Designed and maintained **SQL-backed data stores**, focusing on correctness, performance, and long-term maintainability
- Deployed services in **cloud environments**, supporting **Dockerized workloads, CI/CD pipelines, and automated deployments**
- Participated in on-call rotations, incident response, and release management for mission-critical systems
- Authored technical documentation to support system clarity, onboarding, and sustained ownership

Software Engineering Intern – Salesforce

May 2013 – Apr 2014

Education

Bachelor of Science in Computer Science

University of California, Berkeley – 2013 ~ 2017