

Gaganvir Tut

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Summary

Senior Software Engineer / Team Lead with 8+ years of experience architecting, scaling, and maintaining enterprise systems. Proven track record of replacing a legacy Salesforce deployment with a proprietary, end-to-end business operations and brokerage management platform, saving over \$500,000 annually in licensing and vendor overhead. Supported business growth from under 20 local offices to 130+ global offices by engineering scalable internal tools, microservices, and automated operational workflows using TypeScript, Angular, React, Python, and Laravel.

Professional Experience

The Agency RE | Beverly Hills, CA

Senior Software Engineer, Team Lead | Feb 2022 - March 2026

- Architected and led the complete migration from Salesforce to a proprietary Angular/Node.js enterprise operations platform, powering daily brokerage workflows across 130+ global offices and saving \$500,000+ annually in SaaS licensing.
- Scaled core platform infrastructure to support company growth from \$6B to \$14B+ in annual transaction volume and expanded active user capacity from 350 to over 2,000 agents.
- Led and mentored a 4-engineer full-stack team, conducting technical design reviews, enforcing coding standards, and driving sprint delivery.
- Directed backend architecture initiatives, designing resilient microservices and RESTful APIs using Python, Laravel, and Node.js to streamline real-time transaction processing and core business workflows.
- Engineered internal productivity tools using React, Next.js, AWS (S3, Lambda, SQS), and GCP (OAuth), centralizing document workflows, transaction processing, and daily business operations.

Sr. Software Developer | Feb 2021 - Feb 2022

- Led core full-stack development of the internal operations platform, optimizing database query performance and UX workflows for 2,000+ agents and operational staff.
- Designed microservices in Node.js to decouple monolithic legacy code, enabling more frequent deployments, faster bug resolution, and streamlined feature delivery.
- Scaled software architecture to support international expansion across multiple countries, implementing multi-currency support, language localization, and regional data compliance.

Software Developer / Jr. Software Developer | Sep 2017 - Feb 2021

- Built the initial greenfield operations platform (Angular, TypeScript, Node.js) as an early technical hire, supporting the company's early expansion beyond its initial 20 regional offices.
 - Maintained integrations across Salesforce and legacy databases while building modern services in TypeScript, Python, and PHP to ensure zero data disruption during platform transitions.
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Technical Skills

- **Programming Languages:** TypeScript, Python, PHP, Go, JavaScript, SQL
 - **Frameworks & Runtimes:** Angular, React, Next.js, Node.js, Express.js, Laravel
 - **Databases:** PostgreSQL, MySQL, MongoDB, Cassandra, Redis, SOQL
 - **Cloud & DevOps:** AWS, Google Cloud Platform (GCP), Docker, CI/CD Pipelines, Git
 - **Architecture & Patterns:** Microservices, Distributed Systems, RESTful APIs, System Migration
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Education

DevLeague | Honolulu, HI | Full-Stack Development | Mar 2017 – Jun 2017