

Jason (Yue) Zhang

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WORK EXPERIENCE

Propel Code

Aug. 2025 – Present

Founding Software Engineer

San Francisco, CA

Propel Code builds an LLM-based code review product for engineering teams to improve code quality and review velocity.

- Built TypeScript, Node/Express, React, GraphQL, and PostgreSQL product surfaces and backend services for an LLM-based code review product that has reviewed 200K PRs.
- Pioneered an evaluation system that improved review accuracy and enabled faster iteration on prompts, models, and product behavior.
- Led migration of core review workflows from River to Temporal, improving reliability and making the product more resilient at scale.
- Owned AWS infrastructure managed with Terraform, shipping changes across backend services, product surfaces, and workflow infrastructure.

Nextdoor

Jan. 2023 – Aug. 2025

Staff Software Engineer

San Francisco, CA

Nextdoor is a hyperlocal social networking platform that fosters communication between neighbors and promotes local businesses within neighborhoods.

- Led technical direction for Ads Measurement and Nextdoor Ads Manager, owning architecture, roadmap, and execution across attribution, identity, and events systems.
- Revamped the Conversion Attribution Platform and Ads Manager workflows with TypeScript, React, GraphQL, Node/Express, and PostgreSQL, doubling adoption while improving attribution accuracy, usability, and advertiser trust.
- Led user identification and events-management initiatives that increased identification rate by 50%, supported 1K advertisers during platform migration, and unlocked 2–5% projected annual revenue impact.
- Tech-led an Ads Reporting rebuild with Databricks, leading 3 engineers to launch a platform supporting 100+ report types and cutting support SLA from 5 to 2 business days.
- Mentored 20+ engineers and partnered closely with PM, Design, Sales, GTM, and Data Science to prioritize and ship roadmap investments.

Twitter

Jul. 2018 – Nov. 2022

Twitter is a leading social media platform with billions in annual revenue and millions of active users, facilitating global real-time communication.

Senior Software Engineer – Signal Acquisition | Jul. 2022 – Nov. 2022

San Francisco, CA

- Led an offline signal acquisition and ML feature conversion platform that improved pConv precision by 2%.
- Architected a JavaScript/Webpack pixel-tracking API that consolidated legacy integrations, reduced technical debt, and simplified future product development.
- Saved \$1M/year in infrastructure through data-driven debugging, targeted testing, and predictive analysis while improving team data governance.
- Mentored newer engineers through technical presentations and context sharing on complex systems.

Software Engineer – SMB | Jul. 2018 – Jul. 2022

San Francisco, CA

- Led development of a lead generation solution that collected 100K sales prospects with MapReduce, Thrift, and Vertica, improving sales outreach effectiveness.
- Designed and developed an ML feature preparation pipeline that integrated media classification annotation into business identification models and improved model accuracy by 5%.
- Developed internal product tools that automated daily operations for the Marketing team.
- Advocated for and onboarded the team to BigQuery, helping migrate Python pipeline code and modernize data workflows.

EDUCATION

University of California, San Diego

Mar. 2013

Bachelor of Science, Computer Science and Engineering

TECHNICAL SKILLS

Languages: TypeScript, JavaScript, Go, Python, SQL

Product & Backend: React, Node.js, Express, GraphQL, PostgreSQL

Cloud, Data & Systems: AWS, Terraform, Databricks, BigQuery, Distributed Systems, AI Evaluation, LLM Applications