

Howard Wang

howardwang.dev | [LinkedIn](#) | [GitHub](#) | luhao.wang2016@gmail.com | B.S. Computer Science (UC San Diego)

Skills

Languages: Typescript, Javascript, Python, Ruby, GraphQL, HTML, CSS, Java

Frameworks & Libraries: React, React Native, Next.js, Node.js, Django, Ruby on Rails

Infrastructure & Storage: AWS, Docker, PostgreSQL, MySQL, MongoDB, Redis

Projects

Check out my personal projects here - <https://howardwang.dev/#projects>

Experience

[Scale AI](#) - San Francisco, CA

Jan 2024 - Current

Software Engineer previously on Growth team building high-impact fullstack and frontend systems with a focus on user growth and frontend performance. Currently on International Public Sector (IPS) team pioneering AI apps for government.

- **IPS – AI Analytics Dashboard (0 → 1)**
Leading a team of 4 engineers and architecting an AI-powered analytics dashboard from scratch for a government client, including frontend, API server, database, and text-to-SQL RAG infra.
- **IPS – Building Permits AI App**
Delivered advanced HTML Canvas features (measure mode, point-to-point snapping, orthogonal lines, undo/clear) for a construction AI app. Enabled the team to meet the demo deadline and secure the client contract.
- **Hackathon – MCP Server Refactor Tool**
Built an MCP tool that parses figma designs and auto-refactors UI code for best practices, including file structure and performance patterns. Accelerated frontend dev workflows by almost 10x.
- **Growth – Referrals Platform (100 → 25k Active Users)**
Led end-to-end dev of expert referrals platform for RLHF data projects. Scaled platform from 100 to 25k active users and 36k referrals. Built referral link data models, api endpoints and JWT encryption. Built a new referral links management dashboard and a new expedited onboarding flow with project skills screenings. Owned all frontend architecture and led component implementation. Landed largest company-wide activation rate lift in 12+ months - weekly project activation 5x'ed (2% → 10%) and onboarding conversions 2x'ed (25% → 50%).
- **Growth – Internal Referral Payout Update Tool**
Shipped referral payout automation self-serve tool for operators, saving the team 500+ dev hours annually.
- **Skills:** Typescript, Javascript, React, Next.js, Python, Django, MongoDB, PostgreSQL

[Kajabi](#) - Irvine CA (Remote)

Jul 2022 - Dec 2024

Senior Software Engineer on Growth team, architecting web features used by 100K+ online business owners, driving improvements to revenue, web traffic, signup conversion, trial to paid conversion and retention.

- Spearheaded rebuild of company's core new customer onboarding flow, leading to +25% new paid subs w/w.
- Led team of 4 to build the company's first customer CRM app now used by C-suite execs throughout the org.
- Acted as speed-lead for the team, spearheading engineering process changes to accelerate project delivery speed.
- Led large-scale migration of experimentation infrastructure from Optimizely to Eppo, saving \$75K / year in costs.
- **Skills:** Typescript, Javascript, React, Ruby on Rails, PostgreSQL

Software Engineer on Kajabi Communities post-acquisition team, scaling the product from 200K+ to 2M+ MAU.

- Led post-acquisition development of [Vibely Communities x Kajabi \(AKA Kajabi Communities\)](#) - including cross-system SSO authentication, self-serve community migration (SQS and Lambda), and full web app rebranding which involved rewriting 100+ frontend components to use Kajabi's design system.
- Scaled the Kajabi Communities product to nearly 2M+ MAU, earning the company over \$4.4M in revenue and powering over \$440 million GMV to date for customers.
- Conducted 20+ interviews over 4 months, resulting in 4 key hires (2 mid-level, 1 junior-level, 1 associate-level).
- Rebuilt team's documentation hub, contributing 40+ guides on web dev, mobile dev, backend dev, code reviews, deployment, architecture and on-call processes.
- **Skills:** Typescript, Javascript, React, React Native, Node.js, GraphQL, Ruby on Rails, PostgreSQL, AWS

[Vibely](#) - San Francisco, CA (Acquired by Kajabi)

Jul 2019 - Jul 2022

Co-Founder and Tech Lead who architected the company's flagship products from scratch, scaled it to 200K+ monthly active users and grew the company to 8 engineers with over \$1M in revenue, leading to an exit via acquisition by Kajabi.

- Tech lead on a 2 eng team that I helped scale to 8 engs as the company grew to \$1M ARR in just a couple years.
- Built Vibely Communities web and mobile products from 0 => 1. Architected entire frontend, backend and infra from scratch.
- Built authentication, onboarding, real time chats, challenges & meetups, user profile, community search & discovery, push, in-app & email notifications and 50+ more features.
- Drove performance improvement efforts to heavily improve UX via postgres indexing, frontend caching with Apollo, list virtualization, memoization, code splitting, lazy loading, migrating to SVG images, data pagination and FCP + TTI optimizations. Reduced page load times by 40%, and sped up component render time by 60%.
- Led high risk & large-scale DB and infra migrations that enabled up to 1M+ concurrent real-time users.
- Led large frontend refactors and rewrites that touched the entire codebase. Was the go-to frontend expert on React and React Native.
- Took active part in making product and architectural decisions that determined the direction of the product and company as a whole.
- **Skills:** Typescript, Javascript, React, React Native, Node.js, GraphQL, PostgreSQL, AWS

[ServiceNow](#) - San Diego, CA

Jun 2020 - Sep 2020

Quality Engineer Intern on Performance team.

- Worked on QE performance team's beta tool Jmeter Now - an automated testing tool used by 90+ engineers. Used Docker and Jenkins to containerize and automate deployment of the Node.js server, cutting dev setup time by 3x and enabling widespread adoption into CI / CD pipelines.
- Was the frontend expert on a team of 4 interns - revamped a legacy Javascript scripting tool used by 20+ teams org-wide by implementing IDE features from scratch such as autocomplete and syntax highlighting.
- **Skills:** Java, Javascript, React, JUnit, Docker, Jenkins

UC San Diego - San Diego, CA

Jan 2020 - Apr 2020

Machine Learning Researcher in the Medical Imaging department.

- Led a team of 2 at UCSD's radiology lab. Trained a popular open-source CNN (U-Net) to generate T2 maps (muscle relaxation heat maps) from MRI scans, accelerating detection for fatal heart conditions such as myocardial edema.
- **Skills:** Python, TensorFlow, MatLab