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, Hasura, Prisma

Projects

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

Experience

Scale AI - San Francisco, CA   **Jan 2025 - Current**
Software Engineer previously on Growth team building fullstack and frontend systems. Currently on the International Public Sector (IPS) team pioneering AI apps for the government.

- **IPS – AI Analytics Dashboard (0 to 1)**
  Currently leading a team of 4 engineers and architecting an AI-powered analytics dashboard from scratch for a government client, including frontend, API server, database, ETL Pipeline, Vector DB and Text-to-SQL RAG.
- **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 to 25k Active Users)**
  Led end-to-end dev of expert referrals platform for RLHF data-labeling 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% to 10%) and onboarding conversions 2x'ed (25% to 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, HTML, CSS, 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 earning customers (business owners / entrepreneurs) over $440 million GMV to date.
- 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 to 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, HTML, CSS, Node.js, GraphQL, PostgreSQL, AWS, Hasura

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