Tobias Gu

http://www.tobygu.com/
toby@tobygu.com
+1 415 343 5735

Summary

AI-augmented full-stack engineer with 10+ years building products for startups, from YC MVPs to a shared AI agent used by US engineering and legal firms. Work has reached millions of users.

Skills

Technical

- React / Next.js
- TypeScript
- HTML/CSS
- Node.js
- Django / Python

AI

- Custom Agent Harnesses
- LLM Orchestration
- Prompt / Context Eng.
- RAG / Agent Memory
- Multi-Model Routing
- Browser Automation

Design

- UX Design

Education

Electrical & Computer Engineering
University of Waterloo Class of 2015

Languages

English — *Native*
Mandarin — *Conversational*
Japanese — *Basic*

Managerial Experience

Director & Lead Engineer

Highstack.co — Jun 2020 – Present

A software agency that builds and launches products for startups, including MVPs for YC companies' Demo Days, some of which have gone on to raise millions. 25+ products launched for clients.

Director & AI Automation

Niseko Nomads, *Niseko, Japan* — Dec 2023 – Present

Ski-season coliving, 20+ bedrooms across 1,000+ sqm.
Maximized revenue: ~20% cash-flow return for property investors.
Run operations, marketing, real estate, business outreach and all tech: online presence, web portals and tech stack.

Software Engineering Experience

AI Systems Lead

Boinky.ai, *San Francisco, CA (Remote)* — Feb 2026 – Present

Cross-platform, cross-team shared AI agent used as a corporate tool by electrical engineering and legal firms in the US.

Details

- Replaced 7 engineers, saving firms a combined $1.5M/year.
- Built custom LLM and agent harnesses that fit any model: Claude, Gemini, Cloudflare Workers AI.
- Shared company memory across every team and channel.
- Gmail, Microsoft 365, Google and GitHub integrations; a human approves every send.

Senior Software Engineer (Contract)

42.space, *Singapore* — Jun 2024 – Aug 2026

Decentralized financial prediction market.
Backed by YZI Labs (Binance).
$100m+/month volume during the 2026 FIFA World Cup.
Led all front-end development: wallet integration, trading interface, charting UX for financial derivatives and UX iterations.

Senior Software Engineer

NFTPay.xyz, *San Francisco, CA (Remote)* — Jun 2022 – Aug 2024

Buy any NFT with a credit card, no wallet or KYC needed.
Designed, led and built the OpenSea integration and the abstracted wallet layer. $30m+ in annual volume.

Software Engineer

CreatorDAO.com, *San Francisco, CA* — Jun 2022 – Jun 2023

Raised $20m from VCs like a16z to build DAO tooling for creators.
Led frontend development and spearheaded #TheSearch2022, where the community voted to invest $1m in a rising creator.

Awards

Blast L2 Big Bang 2024 (Blume.fm):
Top 2 lending protocol on Blast mainnet
ETHTokyo 2023 (Joba):
Polygon bounty winner
ETHDenver 2022 (Vaults Protocol):
AAVE Bounty 1st & 2nd place
Yearn Bounty 2nd place
TallyWallet Bounty 1st place

Press Coverage

Featured in the South China Morning Post, The Globe and Mail, Global News, CNN, Global Times and more.

Senior Software Engineer

Rescale.com, *San Francisco, CA* Jul 2020 – Aug 2022

Cloud HPC platform that Nissan, General Electric and Samsung use to simulate real-world products: 8M+ servers, 1,400 petaflops.

Details

- Built and maintained fast, responsive React/TypeScript UIs.
- Extended Django (Python) endpoints within a large monolith.
- Code reviews for junior developers; unit and integration tests.

Senior Software Engineer

RageOn.com, *San Francisco, CA* Jan 2018 – Jul 2020

World's largest all-over-print and custom apparel marketplace (300k+ orders/yr). Led its move from Shopify to React/Node.js.

Details

- Led UX, UI and front-end stack decisions and the style guide.
- Built new Ruby on Rails APIs; ran the front-end server.
- Hired, trained and managed two remote developers.

Lead Front-End Engineer

Ready.net, *San Francisco, CA* May 2020 – Oct 2020

YC startup helping America's local ISPs close the digital divide. Built and launched v1 of the product behind a $2M+ seed round.

Details

- Turned Figma mockups into a React web app.
- Hired and managed 2 junior remote engineers.

Earlier Roles

Tech Lead / Full Stack, Kantner Foundation 2020
Led a team of 3 to rebuild a Florida scholarship application portal.

Front-End Lead Engineer, Applyboard.com 2017
Engineer #3 at the unicorn; first SPA tripled conversion.

Founder, CEO & Lead Engineer, Okeylabs Inc 2015 – 2017
Proximity login app: 40k+ downloads, $80k+ raised, 6+ awards.

Notable Project

Warrior Alliance NFTs: *~$800k in NFT sales. Led the "armory" where holders customize their NFTs' metadata; first to combine ChainLink Keepers and VRFv2 in one contract.*

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