

Colby Gilbert

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github.com/cgilly2fast | leetcode.com/colbygilbert95 | [scholar.google.com ?user=Fe7oC3AAAAAJ](https://scholar.google.com/?user=Fe7oC3AAAAAJ)

Achievements

- \$100k San Francisco Hackathon Winner (2018)
- Winner, Wash. State Science Fair (Engineering)
- US Junior National Champion 2014 (5k)
- 30th All-time fastest American (3k) - 3:58 Miler

Skills

Programming Skills: TypeScript, React, NeoVim, Jest, NextJS, React Native, REST, OAuth, MongoDB, SQL, TailwindCSS, Python, GCP, AWS, Docker, GitHub Actions, NodeJS, Java, CSS, Git

Work Experience

Firmware - SaaS AI Paralegal

Honolulu HI, USA

Owner & Software Engineer | TypeScript, NextJS, AWS, MongoDB, REST, Tailwind

Nov. 2024 - Present

- Architected multi-LLM AI platform with Claude 4, vector search, and voice commands for legal professionals.
- Built legal automation system with OCR, AI lawsuit drafting, and AI form filling, reducing workload 80%.
- Engineered scalable microservices using Next.js 14, MongoDB Atlas, Docker, and AWS for real-time workflows.

Demo: <https://youtu.be/nN5zDAjsEL0>

Demo: firmware.ai

Demo: <https://youtu.be/PO6q-yWfJnc>

Demo: <https://youtu.be/BWsZOG7VT1k>

Codebase Demo: <https://youtu.be/HO1bcwgcHBY>

FirmLeads - SaaS Marketing Business

Honolulu HI, USA

Owner & Software Engineer

Nov. 2023 - 2024

TypeScript, React, Jest, React Native, GCP, MongoDB, Firebase, REST, Tailwind

- Architected and implemented a scalable system handling thousands of monthly transactions with high availability.
- Engineered integrations connecting 15+ APIs with custom landing pages, processing 50+ real-time leads daily.
- Built robust modular landing pages to expand software services to 30+ legal areas nationwide.

Demo: firmleads.io

Demo: auto.californialawconnect.com

Demo: youtu.be/QJc95ygtVTc

News: <https://youtu.be/l2PGiFo-IcU>

Demo: [iOS App Download](#)

Demo: [Android App Download](#)

Stinson Beach Vacation Rental Management

Stinson Beach CA, USA

Owner & Software Engineer | TypeScript, React, Firebase, REST, OAuth

Mar. 2019 - April 2023

- Built API integrations to automate bookings, maintenance, cleanings, and showings, saving 100+ hours monthly.
- Architected solutions for managing 26 vacation rentals across HI and CA, enabling multi-state operations.
- Freed up property owner's time, met their revenue goals, and delivered memorable experiences to guests.

NouGit - Incentivized Git Repos

San Francisco CA, USA

Co-Founder & Software Engineer | C++, React, SQL, AWS, Go

Nov. 2018 - Feb. 2019

- Defined and deployed a blockchain product architecture. Hired three supporting developers.
- Developed smart contracts and scripts to automate deployment on AWS.

News: b1.com/press/eos-hackathon-san-francisco-winners

News: youtu.be/UtOqkjkzCEc

Projects

Adaptive Bitrate Video Processing - Open Source Plugin

Typescript, FFmpeg, Jest, Webpack, Express

- Built open-source Adaptive Bitrate Video plugin: multi-res transcoding, HLS manifest creation, cloud storage integration.

Demo: <https://youtu.be/OIUxOIVCBxc> **Source:** <https://github.com/cgilly2fast/plugin-adaptive-bitrate-videos>

React HLS Video Player - Open Source

React, Typescript, HLS.js, Jest

- Modernized open-source React HLS Video Player: enhanced TypeScript support, Jest testing, and HLS.js integration.

Source: <https://github.com/cgilly2fast/react-hls>

Tradovate Typescript - Open Source Typescript SDK

Typescript, Jest, Docker, GitHub Actions

- Addressed community needs: developed SDK for writing real-time trading strategies using Tradovate's WebSocket API.

Demo: <https://youtu.be/WoW0uNWQqik>

Source: github.com/cgilly2fast/tradovate-typescript

ZombZs - Zombies Video Game

Gobot Game Engine, GDScript, Go

- Developed a full game play loop of a Zombies style video game. Including weapons systems and leveling.

Play Now: zombzs.com

Source: github.com/cgilly2fast/zombzs

Gilbert Hotels - Full Stack Hotel Booking Site

React, Typescript, Firebase

- Built a full-stack hotel booking site with a robust calendar and booking system that stays in sync with Airbnb and VRBO calendars

- **Demo:** gilberthotels.com

Education

University Of Washington

Sept. 2013 - June 2018

Bachelor Of Fine Arts, Photomedia. Focus in Computer Science and Math