



ROBERT TAUSSIG • Software Developer

Expert: React • JavaScript/TypeScript • Node • HTML/CSS • Git • Bash

Proficient: Rust • Python • Ruby • SQL

Experience

Senior Software Engineer • Principles: A Ray Dalio Company • 2021 - Present

- Co-lead for front-end development, building a variety of tools to facilitate and improve team-building within an organization.
- Designed, developed and delivered forced ranking functionality at request of stakeholder for an important workshop with less than a week's notice.

Programmer • Vice President, Bank of America Merrill Lynch • 2018 - 2021

- Spear-headed effort to convert a significant portion of shared codebase into TypeScript, improving readability and maintainability of critical components.
- Identified performance ceiling of internal spreadsheet library. Rewrote implementation layer with minimal impact on dependent applications. Performance threshold increased from 200 rows of data to unbounded.

Full-Stack Developer • LawTrades • 2016 - 2018

- Sole developer of message-based legal platform, using React and Node.js/Socket.io, with 10,000+ users.
- Redesigned database schema, reducing data redundancy and optimized the indexing strategy for significantly faster database operations.
- Replaced manual deployment process with deployment scripts, including routine, archived backups, cache-busting, continuous integration, and rollbacks.

Volunteer Web Developer • Korean K9 Rescue • 2020

- Volunteered on as-needed basis to work on and improve their WordPress site

Projects

React useWebSocket ([npm](https://npm.im/use-websocket) / [GitHub](https://github.com/robertaussig/use-websocket)) • React hook to manage websocket connections

- 70,000 weekly downloads.

ChaosChess ([Live](https://live.chaoschess.com) / [GitHub](https://github.com/robertaussig/chaoschess)) • Chess variant where initial position is completely random

- Multiplayer support and web-worker-based chess engine

Education

App Academy • 2016

Boston College Law School • Juris Doctor • 2009 - 2012

Hamilton College • Bachelor of Arts in Chinese with honors • 2005 - 2009