

# Austin Melchior

818-268-5442 | [raustin.melchior@gmail.com](mailto:raustin.melchior@gmail.com) | [Github](#) | [LinkedIn](#) | [Portfolio Website](#)

Full Stack Engineer with a passion for learning, teaching and programming. With experience in many technologies as well as Agile methodology, TDD and a background in various fields including construction, pyrotechnics, insurance, and technology. I bring strong skills in software consulting, test driven development, and agile project management that help companies create a coherent product that fulfils the consumer's needs.

## PROFESSIONAL EXPERIENCE

### **8th Light Consulting Company**, Los Angeles, California

Software Engineer Apprentice, 2020 - 2020

- Work on a healthcare related application with Proximie that allows doctors to effectively communicate with Covid patients utilizing Elixir
- Work on a supply chain tracking application with 4Kites that tracked the supply chain of Covid related supplies, utilizing Typescript
- In depth training and learning of programming principles and processes including TDD, Scrum, Kanban, Agile workflow, and continuous integration and deployment

### **Flatiron School**, New York, New York, (Remote)

Software Engineering Coach, 2019 - Present

- Pair with students to provide technical guidance through the Flatiron curriculum on subjects including Ruby on Rails, Javascript, React, and development environments
- Submit pull requests to fix errors in tests, instructions & support documentation and create JIRA issues if necessary

### **HelloTech**, Los Angeles, California

HelloTech Hero, 2016

- Resolve technical issues and installations across multiple platforms including Windows and Mac PCs and laptops, Android and Apple handheld devices, printers, audio and video equipment, streaming and smart home technology

## TECHNICAL SKILLS

JavaScript, Typescript, React, Redux, Ruby, Rails, SQL, CSS, HTML5, Nginx, Java, Elixir, Eclipse, React Native, Python, C++, PostgreSQL, SQLite, Visual Basic, Linux, Git, Github, DevOps, TDD, Agile Development, Continuous Integration

## TECHNICAL PROJECTS

### **Proximie Bedside App** - [Website](#)

*A healthcare video application that allows doctors to visit patients remotely in a large-scale environment*

- A mobile-first TDD application written in Phoenix

### **4Kites Covid Map** - [Press Release](#) - [Live Version](#)

*A supply train logistics tracking application that tracks the movement of Covid related supplies*

- A TDD Typescript application that utilizes leaflet to create a choropleth of the US with related data displayed

### **Tic-Tac** - [Github](#)

*A tic-tac-toe app that allows users to play tic-tac-toe against AI and in various game modes*

- Python tic-tac-toe app written using TDD that implements minimax algorithm to create an unbeatable AI
- Programmed using Agile methodology using Scrum with a kanban to manage the process

### **Daves Legacy Tic-Tac-Toe** - [Github](#)

*A legacy tic-tac-toe app that allows users to play tic-tac-toe against AI*

- Utilized characterization tests to allow changes to be made to application without worry of breaking

### **Magic Manager Pro** - [Github](#) - [Live Version](#)

*A trading card game manager written using Rails with Javascript features for smoother user experience*

### **Streamy** - [Github](#) - [Live Version](#)

*A live streaming app that allows users to live stream video written with React/Redux utilizing a Rails backend*

## EDUCATION

### **Flatiron School** - 2018

- Full Stack Web Development, Ruby on Rails and JavaScript online program specializing in Rails, React and Redux