

# Joe Mitzman

[linkedin.com/in/joemitz](https://www.linkedin.com/in/joemitz)

[github.com/joemitz](https://github.com/joemitz)

Full Stack Software Engineer

Stockton, CA | [joemitz@gmail.com](mailto:joemitz@gmail.com) | 209-275-3041

## Technical Skills

**Frontend:** JavaScript, React, React Hooks, Redux, jQuery, HTML, CSS

**Backend:** Node, Express, Nginx, Redis, MySQL, PostgreSQL, MongoDB

**Development:** Git, Docker, Webpack, Babel, Mocha, Jest, Supertest, K6

## Software Engineering Applications

**Atelier QA Service** | *Software Engineer* | [github.com/rpp33-sdc-daisy/qa-service](https://github.com/rpp33-sdc-daisy/qa-service) | Node, Express, Nginx, Redis, PostgreSQL 2022

*Backend microservice designed to handle high traffic loads*

- Scaled system architecture across **23 AWS instances** to handle loads over **10,000 RPS**
- Architected three **Nginx** load balancers in a **triangular configuration**
- Deployed **dockerized** containers to scale my **Node** application across 8 instances
- Configured two **PostgreSQL** servers in **streaming replication** mode to balance read queries across 2 databases
- Cached the entire database's read query results with duplicate **Redis clusters**

**Atelier Frontend** | *Software Engineer* | [github.com/rpp33-fec-yellow/project-atelier](https://github.com/rpp33-fec-yellow/project-atelier) | React, HTML, CSS, Express, Node 2022

*React-powered storefront designed to conform to client requirements and wireframe*

- Designed a **React Higher-Order Component** to respond to a mid-project client request to **track user interactions**
- Orchestrated frontend requests using an **Express wildcard endpoint** to route paths to applicable API endpoints
- Minified **Webpack** bundle, compressed with **Brotli**, and zipped CSS to **increase page load speed from 2.6s to 0.7s**
- Built a Product ID **validation system** with **Node** and **Axios** that queries the API before responding to a client's page request

## Professional Experience

**Audio Engineer** | Freelance

2008 - Present

- Manage a portfolio for **high profile clients** such as The San Francisco Giants, Union Bank and PBS.
- Took **decibel measurements** to determine placement of sound absorption panels
- Diagnosed signal noise by **mapping signal paths** and testing isolated section
- Organized **large scale productions** consisting of 100's of simultaneous audio channels

**Digital Support Technician** | Manteca Unified School District

2015 - 2020

- Wrote **batch scripts** to automate software troubleshooting, configuration and updates
- Managed computers and network users remotely via **network interfaces**
- Used **software performance tools** to evaluate memory, CPU, network and storage metrics
- Designed resource scripts to export **aggregated data** from inventory databases
- Utilized **terminal commands** to execute elevated system tasks

## Education

**Hack Reactor @Galvanize** | Advanced Software Engineering Immersive Program

2021 - 2022

**San Francisco State University** | Bachelors Degree, Audio Engineering

2008 - 2012

**Sacramento State University** | Computer Science

2006 - 2008

## Personal

When I'm not working or studying, you can find me tinkering with my home lab, building computers, traveling or writing music.