

# Lawrence Malloy

Alameda, CA • (925) 336-9244 • Lcmalloy30@gmail.com  
linkedin.com/in/Lawrence-Malloy • github.com/lcmalloy • lcmalloy.github.io/Personal\_Portfolio/

## PROJECTS

---

### [E7 Manager](#) | [Demo](#) (Content Management App)

2023

- Designed and implemented the backend and frontend architecture to develop a platform that would allow users to manage and log items collected from a mobile video game called “Epic Seven”.
- Optimized logic for internal tools by leveraging algorithmic thinking resulting in improved performance and efficiency.
- Utilized Firebase Authentication APIs to enable secure user authentication and session management, improving network security through two-factor authentication.
- Implemented scalable REST API and database for managing first-party data using **Express**, **Node.js**, and **PostgreSQL**.

### [Quick Bytez](#) | [Backend](#) | [Demo](#) (Restaurant Ordering App)

2023

- Designed the wireframes and mapped out the UX/UI development process using **Figma** to address usability, functionality, and branding through high-fidelity designs.
- Implemented the homepage, reservation component with **React** for single-page rendering, modularity and state management.
- Worked on **SEO** settings using **Meta** and **Open Graph Protocol** for accurate search ability and accessibility.
- Implemented a backend server with API endpoints for Testimonials and special dish menus using **Python**, **Django**, and **SQLite**, ensuring efficient data storage and retrieval.
- Integrated Reservation API to obtain available reservation time slots of different dates for the Bookings component.
- Increased test coverage by 82% through implementation of unit testing using **React Testing Library** to ensure proper feature functionality within the app.

### [A6i6as](#) (eCommerce Shopping App)

2022

- Implemented the frontend Ratings and Reviews component using **React** and **JavaScript**.
- Implemented **REST API** routes for all **CRUD** operations and horizontally scaled to handle a throughput of 2000 RPS under 700 ms.
- Optimized **PostgreSQL** database and queries to read and write under 5ms with 17mil records.
- Reduced latency by 95% with **NGINX** load balancing between 3 node servers, from 1422ms to 75ms.

## EXPERIENCE

---

### **Crunch, LLC** | **IT Systems Administrator** | San Francisco, CA

2023 - Present

- Efficiently **monitored** and **configured** a wide array of network devices (Servers, Network Drives, Switches, Routers) across 28 distributed locations, proactively replacing end-of-life hardware to minimize disruptions and decrease network outages in West Coast areas.
- **Administered** MotionSoft user access and device management, improving user experiences and system performance by 22% by maintaining server reliability and uninterrupted services across western locations.
- **Orchestrated** a network provider switch, deploying new mobile devices while ensuring minimal operational disruption; adeptly coordinated changeover schedules and managed data migration through effective **communication**, eliminating downtime and ensuring uninterrupted business operations.

### **Federal Home Loan Bank, San Francisco** | **Systems Operations Support Analyst** | Remote

2021 - 2022

- **Managed** the lifecycle of VMWare cloud instances, reducing the number of instances needed by 10% by reallocating unused instances and restructuring approval processes.
- **Collaborated** with cross-functional teams across the US to service and collect proprietary housing data.

### **Southland Industries** | **Technology Support Specialist** | Union City, CA

2018 - 2019

- **Improved** department support metrics by 20% by reducing ticket response time to 1 minute after submission, and reducing ticket completion time from 5 to 3 days, resulting in reformed user experience and ticket resolution.
- **Identified** user pain points through analysis of commonly created issues and created 50 knowledge-based articles using HTML to provide users with self service troubleshooting tips resulting in a 10% decrease in user ticket creations.

### **Sunrun Inc** | **Helpdesk Technician I** | San Francisco, CA

2014 - 2017

- **Managed** and configured 1000 Mac and Windows machines during a period of high company expansion.
- **Actioned** on 40+ incidents per day, including troubleshooting hardware, software, and server outages.

SKILLS

---

**Front End:** JavaScript, TypeScript, React, Nextjs, Redux, HTML, CSS, Tailwind, Styled-Components, Framer-Motion, Firebase

**Back End:** Python, Node.js, Express, SQL databases (MySQL, PostgreSQL), NoSQL databases (MongoDB), NGINX

**Testing/Deployment:** Jest/Enzyme, Mocha/Chai, AWS

**Developer Skills:** Git, Postman, Trello, Figma

EDUCATION

---

[Meta Front-End Developer Specialization Certification](#) 2023

**Hack Reactor** *San Francisco, CA* Advanced Software Engineering Immersive Program 2022

**University of California, Davis** *Davis, CA* Bachelor of Science 2021

Coursework: Data Structures, Object-Oriented Programming in C++, Probability & Statistics