

Lawrence Malloy

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TECHNICAL SKILLS

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

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

Testing/Deployment: Jest/Enzyme Mocha/Chai, Git, AWS, Docker

PROJECTS

[E7](#) (Content Management App) 2023

- Designed and developed a platform to allow users to manage and log items collected from a mobile video game.
- 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 Lemons](#) (Restaurant Ordering App) 2023

- Designed the UX/UI process using **Figma** to address usability, functionality, and branding through high-fidelity designs.
- Built 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 searchability and accessibility.
- Integrated Reservation API to obtain available reservation time slots of different dates for the Bookings component.
- Programmed unit testing using **React Testing Library** to verify correct individual functionalities within the app.

[AGi6as](#) (eCommerce Shopping App) 2022

- Built the Ratings & Reviews Component, Reviews List, and Reviews Modal using **React** and **JavaScript**.
- Horizontally scaled the backend to handle a throughput of 2000 RPS under 700ms.
- Implemented **REST API** routes for all **CRUD** operations.
- Optimized **PostgreSQL** database and query 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

Systems Operations Support Analyst | Federal Home Loan Bank San Francisco | Remote Jun 2021 - Feb 2022

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

Technology Support Specialist | Southland Industries | Union City, CA Feb 2018 - Sep 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.
- **Documented** 50 knowledge-based articles using HTML, providing employees with troubleshooting tips for common issues which resulted in a 10% decrease in user ticket creations measured through Zendesk metrics.

Helpdesk Technician I | Sunrun Inc | San Francisco, CA Jul 2014 - Aug 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.

CERTIFICATION

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

Completed Meta certified 9 course program on Frontend Development, UX and UI Fundamentals.

EDUCATION

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

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