

# Michael Lee

## Senior Front-End Software Engineer

mlee0416@gmail.com • + 1 (909) 525-2015 • <https://www.linkedin.com/in/mlee0416>

<https://github.com/mlee-YAPI> • <https://github.com/mlee0416>

### TECHNICAL EXPERIENCE

---

**Programming Languages:** TypeScript, JavaScript, HTML, CSS

**Frameworks / Libraries:** React, Next.js, Redux, Redux Toolkit Query, ReactQuery, React Hook Form

**CSS Frameworks / UI Tools:** Tailwind CSS, Bulma, Material UI, shadcn/ui

**Component Library/Design Tools:** Bit, Figma

**Testing:** Jest, React Testing Library, FakerJS

**Backend/Database:** NodeJS, Express, PostgreSQL

**API:** RESTful API, GraphQL

**Other:** Git, JIRA, Confluence, Splunk, LaunchDarkly, Postman

### PROFESSIONAL EXPERIENCE

---

**YAPI INC.** (DENTAL CUSTOMER RELATIONSHIP MANAGEMENT SOFTWARE COMPANY)

NEWPORT BEACH, CA

*Senior Front-End Software Engineer*

OCTOBER 2022 - June 2024

- Built and deployed over 6 scalable, production-ready features—including authentication, user settings with photo editing, SMS integration with patient information, online scheduling, patient profiles, and insurance verification—using TypeScript, React, NodeJS, and Material UI
- Optimized application performance by identifying and refactoring code using new methods such as lazy loading, memoization, and virtualizing large datasets
- Organized senior team meetings to refine technical requirements before assigning stories which increased sprint completion by 20%
- Simplified code reviews by incorporating SonarCloud in GitHub actions to gate pull requests with at least 60% code coverage and zero code smell on new code
- Created long-term consistency among components across applications by incorporating Bit component library from scratch
- Utilized React Testing Library and Jest to test components, API responses, and helper functions to ensure code quality
- Collaborated with cross-functional teams to confirm that tasks were in sync with back-end services and user interface

*Software Engineer I / Software Engineer II*

May 2019 - October 2022

- Combined RESTful APIs and PubNub webhook events to create real-time text messaging functionality and reduce lag by virtualizing large datasets
- Increase readability and maintainability in React applications by reorganizing file structure utilizing the latest React methodologies
- Reviewed pull requests to avoid defects and maintain high coding standards
- Incorporated Auth0 into React application to secure user information

### ***Client-Facing IT Help Desk Specialist***

**July 2018 - May 2019**

- Diagnosed and addressed problems customers faced when using application
- Advocated to improve applications on behalf of customers to keep customer trust

**NETT SOLUTIONS (DIGITAL MARKETING AGENCY)**

**ALISO VIEJO, CA**

### ***Account Executive***

**APRIL 2017- JANUARY 2018**

- Explained technical concepts to teach customers the value of digital marketing
- Evaluated digital ad performance data and created guides to optimize customer output

**UNITED CHEMI-CON INC. (CAPACITOR MANUFACTURING COMPANY)**

**BUENA PARK, CA**

### ***Account Executive / Sales Executive***

**MARCH 2015-APRIL 2017**

- Promoted to Sales Executive and oversaw all West Coast transactions worth \$250k per month
- Executed training programs with regional sales representatives to provide brand awareness that boosted distribution sales

## **PROJECTS**

---

**PERSONAL PORTFOLIO - [HTTPS://MLEE0416-GITHUB-IO.VERCEL.APP](https://MLEE0416-github-io.vercel.app)**

**JULY 2024**

- Created and deployed personal application incorporating popular technologies such as NextJS, PostgreSQL, Tailwind, shadcn/ui, ReactQuery, Prisma, and Vercel
- Features include user authentication, updating user information, and built-in Pokemon trading card database

**PERSONAL PROJECT MANAGEMENT DASHBOARD - [HTTPS://MAIN.D3NI3BKUAB48XL.AMPLIFYAPP.COM](https://main.d3ni3bkuab48xl.amplifyapp.com)**

- Utilize Amazon Web Services such as RDS, EC2, and Amplify
- Incorporate PostgreSQL database to store project and task data and
- Use front-end tools such as TypeScript, NextJS, Tailwind, and Redux

**HOMEZONE SECURITY WEBSITE — [HOMEZONESECURITY.COM](https://homezonesecurity.com) (HOME SECURITY RETAIL COMPANY)**

**2018**

- Created a commercial website from start to finish which included a landing page, contact us, and FAQ page
- Utilized various UI plugins to assist with meeting client's design specifications

## **EDUCATION**

---

**UNIVERSITY OF CALIFORNIA, IRVINE**

**Irvine, CA**

***Certificate in Data Analytics Bootcamp***

**UNIVERSITY OF CALIFORNIA, RIVERSIDE**

**Riverside, CA**

***Bachelor of Arts in Sociology***