Staff Software Engineer
Robert Maloney

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Summary

A detail-oriented and supportive Software Engineer with over 7 years of industry experience building new systems and modernizing old systems with a high bar of maintainability and scalability, in addition to 4 years of leadership experience passionately growing individuals and teams.

Skills

- Ruby on Rails
- Capybara
- Typescript/Javascript
- React
- MobX
- Jest
- AWS S3
- AWS SQS
- AWS Lambda
- ECS/ECR
- Terraform
- Team-building
- Direct mentorship/management
- Feedback systems
- CSS/Bootstrap

Professional Experience

Staff Software Engineer, Tech Lead

MyCase | 9/2021 - 9/2022

- Overhauled MyCase's existing billing platform to support different tiers of our core service, from trial signup to real time subscription management, all facilitated through communication between the main web application, Zuora, and an intermediary service
- Directly supported two Software Engineers with a cadence of regular 1:1s, semi-annual scorecards, and day-to-day feedback and mentorship

Senior Software Engineer, Tech Lead

MyCase | 7/2018 - 9/2021

- Implemented a seamless, Gmail-inspired email client into MyCase, backed by Nylas, supporting all common interactions of email threads with a fully asynchronous backend API and Redis-backed caching, and with enhanced features including saving conversations to the permanent record of a court case and sending documents stored in S3 as attachments
- Directed the MyCase Internship Program for another 3 years, including through the pandemic, supporting the growth of 4 interns on average each summer, regularly aligning with mentors and teammates about their potential for a full-time offer, and giving out final offers or rejections

- Directly supported three Software Engineers with a cadence of regular 1:1s, semi-annual scorecards, and day-to-day feedback and mentorship
- Co-implemented a system for managing the UX around user-triggered asynchronous tasks, resilient to race conditions in normal user navigation behavior
- Designed a Typescript Node service to integration Dropbox into MyCase, allowing firms to manage documents for court cases within Dropbox
- Implemented a utility to scrape Rails routes and convert them to a directory of type-checkable Typescript helper functions for use in modern UI components
- Built a ECS recurring task to perform higher-order data processing with MySQL on MyCase core tables for the analytics team
- Designed and built a lambda function triggered by new manifests in S3 to combine user documents into archives for download, optimizing against a now-old constraint on AWS Lambda to create archives exceeding 10GB within 5 minutes

Software Engineer
MyCase | 7/2015 - 7/2018
- Cut out the notification system of MyCase that was exploding the core database into a new isolated service with communication over SQS and REST API
- Brought to production the first iteration of MyCase's centralized authentication service using a custom implementation of OAuth and stateless JWT tokens
- Ran the MyCase Internship Program at a reduced level, managing 4 interns directly and monitoring their potential
- Participated in early conversations and small code changes around the migration process toward a sharded MyCase architecture
- Built an add-on for Outlook desktop to sync contact and calendar information with MyCase

Education
- UC San Diego | 9/2011 - 6/2015, Computer Science B.S.