KEELY LEE

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EXPERIENCE

Software Engineer, Vault Health **2021 — 2022**

- Spearheaded the end-to-end modernization of a legacy scheduling system by creating and designing user-friendly UI using React and Material UI. This enabled practitioners on the EHR/EMR platform to continue to create and update patient encounters and retrieve patient data from our scheduling service without interruption in services resulting in increased enrollment of new encounters by over 50% when customer needs were in high demand.
- Designed and implemented APIs to create and update appointments for a new microservice, and applied authorizations using OAuth 2.0 specification, to ensure secure data access and transmission. Integrated the appointment scheduling microservice to a Life Sciences platform via SDK and refactored all calls in a monolithic software app to a 3rd party client for a seamless transition to the microservice. Authored comprehensive documentation on newly built microservices, facilitating the rapid integration of 50+ engineers, cutting the onboarding time by half.
- Implemented and expanded a suite of rigorous testing protocols, including unit, integration, and end-to-end testing, using the Cucumber, Pytest, and Jest testing frameworks, which ensured robust quality control and prevented potential regressions. These measures were highly effective, resulting in a significant 40% reduction of related on-call tickets, highlighting the quality of the product and the success of these changes.
- Constructed and deployed questionnaires for patient data intake using proprietary software, utilized by thousands of new users nationwide, during new product developments such as COVID testing, cardiometabolic health services, and mental health services resulting in revenue of over $30 million.

Technologies: Python, React, TypeScript, Cypress, Flask, GraphQL, SQLAlchemy, PostgreSQL, NodeJS, Docker, AWS, FastAPI, Pytest, Jest, Cucumber, Retool, New Relic

Client Services Coordinator & Claims Director , Pomerantz LLP **2015 — 2020**

- Increased new client base by 25% by identifying prospective client needs and promoting relevant service offerings
- Analyzed hundreds of transactions to calculate potential losses, claim eligibility, and streamline monthly reporting for 60~ clients
- Launched custom websites for VIP clients through Squarespace and Tresorit

FEATURED PROJECT

RobinsJacket **github.com/keely-lee/RobinsJacket/**

- Successfully designed and developed a single-page, full-stack clone of Robinhood called RobinsJacket within a tight one-week timeline. The app enables users to create and manage stock portfolios, providing a user-friendly interface for tracking and analyzing stock performance.
- Designed and executed a secure and persistent login system with protected and authenticated routes using cutting-edge technologies such as react-router, BCrypt password hashing, and session cookies. This ensured that sensitive data and actions were only accessible to authorized users, while also providing a seamless and intuitive user experience.
- Utilized the Recharts API to create dynamic data visuals that enable users to toggle between gain/loss colors and adjust the Y-axis domain for stock price high/low, providing relevant and easy-to-digest information at a first glance. These features not only improve the user experience but also provide valuable insights into stock performance.
- Built a custom portfolio overview component of transactions retrieved from the PostgreSQL database with React Hooks

Technologies: PostgreSQL, Ruby on Rails, React / Redux, JavaScript, CSS3, BCrypt, RapidAPI, Recharts API, Jest, AWS

EDUCATION

Software Engineering Immersive — App Academy **2020**

- Completed a 1000-hour full-stack software engineering bootcamp with less than a 3% acceptance rate, providing extensive hands-on training and experience in development with Ruby on Rails and React.

Technologies: Ruby on Rails, JavaScript, HTML5, React, Redux, PostgreSQL