Kenneth Liang

415-706-8686   kennethkjliang@gmail.com   LinkedIn   Github   Portfolio   San Francisco, CA

SKILLS

Scala, Python, React, JavaScript, React, Redux, HTML, CSS, Ruby on Rails, MongoDB, Node.js, Express.js, MySQL, SQLite3, PostgreSQL, Webpack, jQuery, Git, Heroku, Tableau, JIRA, Zendesk, AWS, Web Development, Babel, Rest API

EXPERIENCE

Software Engineer
Twitter (Twitter Service Tech, Health Tools), Aug 2021 - Nov 2022
- Triaged and contributed to a knowledge graph of real-world entities and annotated tweets
- Built, scaled, and maintained user-facing products and large-scale systems
- Developed an internal panel for managing accounts using ActiveAdmin framework, including modifications to track database model changes and display history
- Increased operational efficiency through automation and accelerated the velocity of development, maintenance, and enhancement of tooling and 3rd party integrations

Senior Credit Operations Analyst
LendingClub, July 2017 - Dec 2019
- Developed test automation scripting model that identifies fraud exploitations that prevented $18 million in losses annually
- Integrated 3rd party APIs to analyze bank transaction data that reduces loss from delinquency and improve customer borrowing eligibility
- Used analytical techniques to investigate loan performance data and identify pockets of underperformance and conduct root cause analysis to help recommend risk mitigation or enhance financial services

PROJECTS

Seat Check (JavaScript, SQL, Ruby/Rails, JS web frameworks React/Redux, AWS cloud S3, Google Maps APIs)   Live Site | Github
A full-stack web application with an OpenTable-inspired UX/UI, where users can reserve seatings at their local restaurant.
- Utilized Redux lifecycle methods, AJAX calls, and RESTFUL API to create reservations, leave reviews, and add restaurants to a user's favorites
- Designed an interactive search and filtering system (price, location, cuisine, etc.) to dynamically refine fetched results, which eliminated the need for additional asynchronous calls
- Combined React state with PostgreSQL using JBuilder to optimize queries to databases
- Leveraged AWS S3 architectures for image storage, availability, and file compression to reduce latency and storage cost

FitBook - Front-end Lead Engineer (MongoDB, Express.js, ReactJS, NodeJS, NoSQL, BootStrap, Typescript)   Live Site | Github
Fitness tracking web application that allows users to create, track, and share custom workouts
- Facilitated team discussions and research around writing high-quality coding specs and agile data-driven development
- Utilized Mongoose ORM to map results of database queries onto JavaScript objects to be manipulated and returned to the frontend, separating concerns and following MVC best practices.
- Improved user functionality by incorporating an easy-to-use dynamic calendar and image previewer
- Implemented user authentication using MongoDB, Node, and Express.js by utilizing JSON Web Token (JWT)

WorldWide Pen (JavaScript, HTML5, CSS3)   Live Site | Github
A JS incremental game that pits you against market forces. Your job is to make and sell pens - but as you earn more money, you get better and new ways to do the job.
- Incorporated localStorage to save user's data in the browser and persist even when the window is closed.
- Engineered unfolding layers of gaming complexity of game state changes that rely on Object-Oriented Programming
- Generated elements of automation that allow the game to be played even with fewer user actions
- Authored algorithms to generate a subsequent cost for upgrades to strike a balance between predictability and scalability

EDUCATION

App Academy - Immersive software development course with a focus on full-stack engineering and computer science
San Jose State University - *BS - Business Analytics*