

Roy Dey

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Technical Skills

Languages: Python, Go, SQL, JavaScript, TypeScript, ReScript, HTML, CSS, C++

Frameworks: Django, Graphene, GraphQL, PostgreSQL, React, ReactNative, AngularJS, NodeJS, GQLGen, Gorm

Technologies: Git, Retool, Docker, Amazon Web Server

Experience

Software Engineer – SILQ

03/2021 – 09/2022

Python, Django, PostgreSQL, GraphQL, React, ReScript

San Jose, CA

- Led development of purchase order system using Python, Django, and Graphene to record ordered goods.
- Developed quoting system using Python, Django, and Graphene to deliver guaranteed freighting quotes within 2 days and replace the manual parsing of freight manifests and calculation of shipping quotes.
- Implemented flagship web application features using React, ReScript, and GraphQL Relay, allowing clients to monitor projects, view the status of shipments, send messages, and complete tasks.
- Digitized garment QA inspections in a mobile app built with React Native, ReScript, and GraphQL Relay to improve the efficiency of textile factory QA processes and replace the need for physical forms.
- Built internal dashboards and workflows with Retool to track critical metrics and record operations data.

Application Developer – University of California Davis

06/2019 – 07/2020

AngularJS, JavaScript, MySQL

Davis, CA

- Revamped UI and mobile support for software ecommerce site with Angular, boosting engagement by 12%.
- Built testing platform using Angular, Bootstrap, and SQL, allowing staff to create and administer tests with automated tools, saving 2+ hours of manual labor per week and replacing costly vendor solutions.
- Developed internal tools for staff to easily track software licenses, replacing manual spreadsheet lookup.
- Prototyped features with Angular and MySQL to help management deliberate changes to web properties.

Projects

Jot | *React, TypeScript, Go, Postgres* | <https://jot-note-app.github.io/Client/>

- Built a note taking and journaling web application with an emphasis on ease of use.
- Designed the text editing components to minimize friction and facilitated rich text editing with DraftJS.
- Implemented the UI with React and hosted dockerized, Go backend with AWS ElasticBeanstalk.

Raphunt | *React, JavaScript, Reddit API* | rdey0.github.io/raphunt/

- Developed a web application to gather and display links to hip-hop songs released in the past week.
- Utilized Reddit API and RegEx to gather popularity metrics and song information.
- Ranked songs based on user sentiment using calculations involving post karma, time, and engagement.

Restock Bot | *NodeJS, JavaScript, Puppeteer* | github.com/rdey0/restock-bot

- Created a web scraping tool to send email notifications when desired items are restocked.
- Implemented asynchronous web scraping and detected restock indicators with Puppeteer and JQuery.
- Facilitated email notifications by using Nodemailer to create periodic email jobs.

Education

University of California Davis

B.S. Computer Science; GPA: 3.4

11/2016 – 06/2020

Davis, CA