Alex Juy *Software Engineer*

⚲ juanjuy.com   ○ juanjuy   ✉ alexjuanjuy@gmail.com   in juanjuy   ⚲ Los Angeles   ⚑ US Citizen

Technical Experience

Creator, Software Engineer, *Fána (fana-io.github.io)* ⧉   2022 – present
Fána is an open-source feature flagging platform designed to accommodate testing in production by providing the capability to target specific subsets of users. Built with Node.js, React, Go, PostgreSQL, Redis, Docker, AWS
- Designed architecture composed of a backend API, database, frontend dashboard, reverse proxy API service, Redis data layer, and software development kits (SDKs) for React and Node.js
- Improved client-side performance on React dashboard with multiple forms and lists by designing API requests to minimize JSON response payload size
- Coordinated development of reverse proxy service to stream real-time updates to SDKs via SSE
- Implemented Node.js and React SDKs, prioritizing protection of sensitive data sent to client-side apps by processing user information and flag rules in the reverse proxy prior to transmitting data to the browser
- Drafted developer-facing documentation for dashboard management and SDK configuration/usage
- Automated cloud deployment to create and configure 13 constructs on AWS using Cloud Development Kit infrastructure as code (Fargate, EC2 Load Balancer, ECS, ECR, RDS, ElastiCache, VPC)
- Developed flag evaluation algorithm and validated via unit tests by parsing combinations of logic conditions
- Authored technical case study ⧉ on design challenges & decisions (fana-io.github.io/case-study)
- Collaborated daily with a remote team of 4 engineers across the US

Software Engineer, *Open Source*   2020 – 2022
- Developed open-source web applications with Node, Express, PostgreSQL, React, JavaScript, HTML, and CSS
  - RequestBucket: A Node.js app built with Express, Mongo, and PostgreSQL to capture and monitor webhooks
  - Frello: A Node.js kanban board application built using Express, Mongo, and React/Redux
  - TakeMeTo: React SPA built with a Node.js and Express backend that displays local city information
  - InterImage: React SPA built with MERN stack that accepts image uploads and provides a link for later access

Professional Experience

Ad Operations Solutions Specialist, *Hulu / Disney*   2019 – 2022
- Built automation tools designed to optimize workflows for over 80 Ad Ops team members (Excel, VBA, JS)
- Wrote detailed documentation for aforementioned tools and internal processes for reference and training
- Worked cross-functionally between Ad Ops and Engineering to troubleshoot and address platform issues
- Composed SQL queries across six tables, producing reports of normally inaccessible data (Datagrip/MariaDB)

Project Manager, *Centerfield Media*   2017 – 2019
- Coordinated design and engineering teams through ideation, review, development, QA, and launch processes
- Drafted and tracked detailed JIRA tickets for in-house and offshore teams across entire web dev pipeline

Technical Skills

Front End	Back End	Other
JavaScript, TypeScript, React, Redux, MaterialUI, HTML/CSS, jQuery, Handlebars, Pug	Node.js, Express, Go, Gorilla Mux, PostgreSQL, MariaDB, VBA, MongoDB, RESTful APIs	Git/Github, Docker, Redis, AWS, Server-Sent Events (SSEs), NPM, Jest, Cypress, JIRA

Education

Launch School   2020 – 2022
Self-paced, mastery-based curriculum for full-stack software engineering

BA, Business Administration (Marketing), *CSU Fullerton*   2011 – 2016