Juan Juy

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Profile

A software engineer with a penchant to help others by solving problems. Recently built Fána, a feature flagging platform built with Node.js, React, Go, Redis, and PostgreSQL, and deployed with Docker or AWS.

Technical Projects

Fána, *Creator, Software Engineer (fana-io.github.io)* ⬀   04/2022 – 09/2022

Fána is an open-source feature flagging platform designed to accommodate testing in production by providing the capability to target specific subsets of users.
- Designed a scalable architecture composed of a Backend API, database, frontend dashboard, reverse proxy API service, and software development kits (Node.js, React, Go, PostgreSQL)
- Researched problem space of production testing and existing solutions extensively prior to implementation
- Spearheaded design/development of React Dashboard with a focus on efficiency to streamline API requests
- Coordinated development of React and Node.js SDKs, designed by prioritizing privacy of sensitive information
- Drafted documentation for flag/audience management on the Dashboard and proper setup/use of the SDKs
- Automated cloud deployment to create/configure 13 constructs with AWS CDK (ECS, RDS, Elasticache, Fargate)
- Authored a comprehensive case study ⬀ on the design challenges & decisions (fana-io.github.io/case-study)
- Collaborated daily with a remote team of 4 engineers across two time zones in the US

Launch School   12/2020 – 09/2022
- Attended a mastery-based education program focused on software engineering fundamentals
- 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: A React SPA built with Node.js and Express backend that displays local city information
  - InterImage: A SPA built with MERN stack that accepts image uploads and provides a link for later access

Professional Experience

Ad Operations Solutions Specialist, *Hulu / Disney*   10/2019 – 04/2022
- 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
- Interfaced between Ad Ops and Engineering to troubleshoot, diagnose, and address platform issues
- Composed SQL queries across six tables, producing reports of normally inaccessible data (Datagrip/MariaDB)

Project Manager, *Centerfield Media*   03/2017 – 10/2019
- 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 for entire web development 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 publishing, Jest, Cypress, JIRA

Education

Bachelor of Arts, Business Administration (Marketing),   2011 – 2016
CSU Fullerton