Bradley Taylor

Las Vegas, NV taylorbradleyr@gmail.com bradtaylor.codes github.com/bradleyroberttaylor

PROFILE

I'm a cellist/educator turned software engineer with extensive experience in JavaScript, TypeScript, and Go. I'm also proficient in Python. I'm passionate about writing maintainable code and learning new technologies. I'm currently working on building and maintaining microservices for Qlik's AutoML team.

EXPERIENCE

Software Engineer, *Qlik (AutoML team)* 2024 – present

- Designed and implemented internal tool for generating Qlik Sense scripts to be loaded into embedded apps for language translations
- Integrated AutoML resources (deployments, predictions, models, exports, experiments) into the broader Qlik lineage so users can have a better understanding of the origin, evolution, and meaning of their data
- Implemented and managed feature flags across microservices to enable controlled feature rollout, improve testing, and streamline deployment processes
- Collaborated cross-functionally with several teams employing agile methodologies including sprint planning, stand-ups, and continuous delivery processes

Creator, Software Engineer, *SmoothSail* 2023 – 2024

SmoothSail is an open-source, self-hosted feature flag management tool. It enables developers to release features to targeted user groups to limit the impact of unforeseen bugs in production.

- Engineered a scalable, event-driven architecture for delivering real-time feature flag data consisting of a React admin dashboard, NATS JetStream (message broker), multiple Express application servers, software development kit (SDK), and a Postgres database
- Architected database schema and database management service API for feature flag data, flag rulesets, and SDK keys (**Express**, **Sequelize**, **PostgreSQL**)
- Orchestrated the authentication process for SmoothSail SDKs by leveraging the native Node.js Crypto module for SDK key encryption
- Utilized a message broker in a publisher/subscriber pattern to address problems with unreliable HTTP connections (**NATS JetStream**)
- Authored comprehensive technical case study, readable at smooth-sail.github.io/case-study

PROJECTS

For Requests

- For Requests is a RequestBin like tool for collecting and debugging webhooks and HTTP requests
- Technologies: **TypeScript, Node.js, Express, PostgreSQL, React, DO Droplet, Nginx, Server-Sent Events**

Music Lesson Planner

- a web application with a RESTful API for managing and viewing music lesson schedules and students
- Technologies: **Ruby, Sinatra, PostgreSQL, ERB**

SKILLS

Languages — TypeScript, JavaScript, Go, Python, Ruby

Frameworks/Tools — Node.js, Express, NATS, RabbitMQ, Docker, REST APIs, GraphQL, AWS, Grafana, Argo CD, React, Next.js, TailwindCSS, TanStack Query, Git, GitHub, Linux, Bash, Jest

Databases — PostgreSQL, MongoDB, SQLite

EDUCATION

Launch School 2021 – 2023

Multi-year, mastery-based software engineering curriculum. Read more at launchschool.com/employers

California State University, Fullerton 2018 – 2020

Cello Performance, Master of Music (3.8 GPA)