# Bradley Taylor

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## EXPERIENCE

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

Qlik is a software company that focuses on data analytics and business intelligence solutions. They offer tools to help businesses analyze, visualize, and make data-driven decisions.

- Maintained microservice architecture with an event-driven approach, utilizing **RabbitMQ** for interservice communication
- Designed and implemented internal tool for generating Qlik Sense scripts to be loaded into embedded apps for language translations (**TypeScript**)
- 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 (**Go**)
- Implemented and managed feature flags across microservices to enable controlled feature rollout, improve testing, and streamline deployment processes (**LaunchDarkly**)
- 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**)
- Led the development of a responsive dashboard designed to streamline API interactions for users (**React**, **TypeScript**, **React Query**, **TailwindCSS**, **Tailwind UI**)
- 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**

## SKILLS

**Languages** — TypeScript, JavaScript, Go, Python, Ruby

**Frameworks/Tools** — Node.js, Express, NATS, RabbitMQ, Docker, Kubernetes, 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)*