Kyle Ledoux *Software Engineer*

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Profile

I am a Full Stack software engineer with varied language and project experience who enjoys decomposing large, complex problems into little pieces and making those little pieces play nicely. I value teamwork, flexibility, communication, and dependability, in my work and with my team.

Professional Experience

Software Engineer, Pioneer   2021
Pioneer (https://github.com/pioneer-io/pioneer) is a *feature flag management tool* built to assist small to medium organizations *shift from a monolith application to a microservices architecture.*

- Built full-stack application for simple management of feature flag state using **React**/**Redux** front-end, **NodeJS** with **Express** backend, and **PostgreSQL** database
- Implemented fault-tolerant, asynchronous communication between system components using a **NATS JetStream** message broker server
- Contributed to the development of three software development kits in **Ruby**, **NodeJS**, and **GoLang**
- Streamlined transmission of feature flag data to connected SDKs using **SSE** and **EventSource**
- Led the unit testing for different system components
- Produced load-testing protocol to verify system-wide delivery of data beyond anticipated usage
- Collaborated with a fully remote team distributed across four time zones
- Co-authored project writeup (https://pioneer-io.github.io/) and client-facing documentation (https://pioneer-io.github.io/documentation/)

Software Engineer, Self Employed   2019 – 2021
- **Cloudbeam** - a simple, secure web application for small-team file sharing built with **Ruby on Rails 6**, **AWS S3** & **Cloudfront**, **Postgres**, and **Mailgun**
- *Inspector Hook* - a **React** application used to inspect the contents of webhooks
- *Jisho* - a dictionary/study tool for learning Japanese built with **Ruby**, **Sinatra**, and **PostgreSQL**

Support Specialist, Open Approach   2018 – 2020
- Used Powershell to build scripts for automation of redundant tasks
- Collaborated with senior staff and engineers to resolve complex networking issues

Education

Software Engineering, Launch School   2018 – 2020 | Remote
Completed a rigorous online program for software engineering that focused on building fundamental programming skills through mastery-based learning

Master of Education, University of Massachusetts Boston   2013 – 2016
Obtained degree while working full-time in an elementary school special education program

Skills

Languages
Ruby, Javascript, GoLang, SQL, HTML, CSS

Frameworks
Ruby on Rails, React/Redux, Express.js, Sinatra

Technologies & Platforms
AWS (EC2, S3, Lambda, Cloudfront), Docker, PostgreSQL, Microsoft SQL Server, MongoDB, Git, RESTful APIs