

Rob Gorman

🔗 robgorman.dev [in](#) [robjgorman](#) 📍 Boston, MA // San Francisco, CA 🗣️ [rob-gorman](#) ✉️ rob@robgorman.dev

Experience

Creator, Software Engineer [🔗](#)

Apr 2022 – present

Fána (fana-io.github.io)

Open-source feature flag management platform specializing in audience-targeting to facilitate testing in production; containerized with Docker and deployed to AWS and Kubernetes

- Engineered a scalable, event-driven service oriented architecture consisting of a Go API, React admin dashboard, Go reverse proxy streaming service, and published npm SDKs for Node.js and React apps
- Led development of PostgreSQL database management service in Go utilizing GORM to define data model at the application level, and concurrency patterns for parallel execution of external service calls
- Established automated unit and integration testing and benchmarking for API and HTTP services according to Go testing framework best practices (interface abstraction, dependency injection, table-driven tests, TestMain)
- Implemented gRPC API leveraging protocol buffers to facilitate strongly typed and performant communications between appropriate services
- Utilized multi-channel Redis message broker in a publisher/subscriber pattern to decouple communication between database service and scalable worker nodes
- Automated deployment to Kubernetes cluster with Terraform, including Prometheus Helm chart configuration for cluster monitoring and observability with Grafana dashboard
- Configured secondary deployment option of 13 constructs on AWS using Cloud Development Kit
- Collaboratively conceived, developed, and refined Fána with a remote team of 4 developers across the US
- Authored comprehensive case study on engineering decisions and challenges: fana-io.github.io/case-study [🔗](#)

Software Engineer

2020 – present

Self-Employed

- High-Throughput Queue Service (Go): Scalable ingestion service; queue service using Redis Streams for message reliability, Redis Sentinel for queue persistence, and a gRPC API wrapper for performant communications; parallelized queue workers leveraging app-level bounded concurrency for external service calls
- Audit Service (Go): RESTful log store in Cassandra for performant writes, dynamic schema, and direct query patterns
- RequestBucket: Node.js app using MongoDB and PostgreSQL to monitor web hooks. Terraform deployment to AWS
- Ello: Trello-inspired kanban board for project management; built with Node.js, React, Redux, and MongoDB

Professional Experience

Manufacturing Engineer

2012 – 2022

Lentros Engineering

- Automated high-volume tasks to reduce overall workload by dozens of hours weekly: compiling reports from inspection data, generating and filing compliance forms, aggregating project artifacts from disparate data sources; Python, Ruby
- Developed in-house ERP system to model and manage data, resources, and work flow for strictly regulated AS-9100 firm
- Led process development in aerospace prototype manufacturing, collaborating with customer engineer teams to balance design requirements and production constraints with regards to cost, resources, quality, and delivery

Skills

Languages/Frameworks

Go, JavaScript, React/Redux, Node.js,
Bash, Ruby/Rails, Python, Java,
HTML/CSS

Cloud

Docker, Terraform, Kubernetes, AWS
(ECS, Lambda, Elasticache, RDS,
CloudFormation), DigitalOcean

Other

PostgreSQL, Redis, Linux, gRPC,
Cassandra, MongoDB, Git, REST,
EventSource

Education

Launch School [🔗](#)

2021 – 2022

Software Engineering (Capstone Program)

- Multi-year software engineering curriculum emphasizing programming fundamentals and distributed system design

Assumption University

2003 – 2007 | Worcester, MA

BA Philosophy, Mathematics