

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)

Fána is an open-source feature flag management platform specializing in audience-targeting to facilitate testing in production; containerized with Docker and deployed on AWS

- Engineered a scalable, event-driven service oriented architecture consisting of a Go API server, React admin dashboard, Node.js reverse proxy streaming service, and published 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 goroutines to concurrently serve multiple services
- Established automated unit and integration testing for API and HTTP services according to Go testing framework best practices (dependency injection, interface abstraction, table-driven tests, TestMain)
- Implemented gRPC API leveraging protocol buffers to facilitate strongly typed and performant communications between appropriate services
- Implemented multi-channel Redis message broker in a publisher/subscriber pattern to decouple communication between database API and scalable proxy nodes
- Implemented SDK key validation to prevent exposure of sensitive/PII in flag data in client-side SDKs
- Automated cloud deployment to create and configure 13 constructs on AWS using Cloud Development Kit infrastructure as code (Fargate, EC2 Load Balancer, ECS, ECR, RDS, ElastiCache, VPC)
- 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 – 2022

Self-Employed

- Ello: Trello-inspired kanban board for project management built with Node.js, Express, React, Redux, and MongoDB
- RequestBucket: Node.js app using MongoDB and PostgreSQL to monitor web requests. Terraform deployment to AWS
- GoGoSudoku: An original multi-threaded sudoku solver written in Go with a React front-end

Professional Experience

Manufacturing Engineer

2012 – 2022

Lentros Engineering

- 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
- Automated high-volume tasks to reduce overall workload by tens of hours weekly: compiling QA reports from inspection data, generating and filing compliance forms, aggregating project artifacts from disparate data sources; Python, Ruby
- Co-developed and introduced in-house ERP system and relational data model using Filemaker to model and manage data, resources, and work flow for strictly regulated AS-9100 manufacturing firm

Skills

Languages/Frameworks

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

Cloud

AWS Services (ECS, Lambda, RDS, Elasticache, CDK, CloudFormation), Terraform, DigitalOcean, Heroku

Other

Docker, gRPC, REST, PostgreSQL, MongoDB, Linux, Git, Bash, EventSource, GraphQL

Education

Launch School

2021 – 2022

Software Engineering (Capstone Program)

- Software engineering curriculum emphasizing programming fundamentals and core distributed system design principals

Assumption University

2003 – 2007 | Worcester, MA

BA Philosophy, Mathematics