Rob Gorman

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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; deployed on AWS

- Designed and implemented a scalable, event-driven microservices architecture consisting of a Go API server, React admin dashboard, Node.js reverse proxy streaming service, and published SDKs for Node.js and React applications
- Led development of PostgreSQL database management service in Go utilizing GORM to reinforce data model at the application level, and goroutines to concurrently serve multiple services
- Implemented a gRPC API leveraging protocol buffers to facilitate strongly defined and performant communications between appropriate services
- 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)
- Implemented multi-channel Redis message broker in a publisher/subscriber pattern to decouple communication between database manager and scalable proxy nodes
- 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: A Node.js app built with Express, Mongo, and PostgreSQL to capture and monitor webhooks
- GoGoSudoku: An original multi-threaded sudoku solver written in Go with a React front-end

Skills

Languages/Frameworks

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

Cloud

AWS Services (CDK, CloudFormation, EC2, ECS, Lambda, RDS, Elasticache, ECR), DigitalOcean, Heroku

Other

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

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 using Filemaker to model and manage data, resources, and work flow for strictly regulated AS-9100 manufacturing firm

Education

Launch School   2021 – 2022
Software Engineering (Capstone Program)

- Full-stack development curriculum emphasizing mastery of programming fundamentals

Assumption University   2003 – 2007 | Worcester, MA
BA Philosophy, Mathematics