Matt Gleich

Software Engineer and Student at Rochester Institute of Technology

Software engineer focused on AWS-centric DevOps and backend systems (Go, Rust, TypeScript). Delivers reproducible infrastructure with cross-account Terraform and GitHub Actions CI/CD; builds and operates REST APIs (API Gateway to Lambda/ECS, ALB) and data workloads on EMR; leverages S3/ECR/CloudWatch to containerize, monitor, and scale services—automating releases, reducing toil, and improving reliability.

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WORK EXPERIENCE

Associate DevOps Engineer
KCF Technologies ⬈

06/2025 – Present

Achievements/Tasks
- Built a high-throughput Rust microservice that ingested millions of waveform datapoints from thousands of sensors, cutting query latency and boosting reliability for downstream analytics.
- Migrated AMI build pipelines to GitHub Actions, reducing build time and improving reliability.
- Upgraded production systems like KairosDB and OpenVPN to Ubuntu 22.04+ ahead of EOL.

Engineering Developer
Stainless ⬈

06/2022 – 12/2022   *Brooklyn, NY*

Automatic idiomatic SDK generation for Node, Python, Java, and more based on REST API. Growing customer base including OpenAI (creators of chatGPT).

Achievements/Tasks
- Spearheaded and kickstarted the company's REST API, the main way our product interacts with customers.
- Automation project owner. Lead the automation of the company's testing and deployment.
- Created GitHub actions and workflows to help automate the delivery and testing of our product.

Contact : Alex Rattray (CEO) – alex@stainlessapi.com

Contracted Developer
rootly ⬈

02/2021 – 12/2021

Modern on-call and incident response platform

Achievements/Tasks
- Developed the official CLI (command-line interface) for customers using rootly for SRE.
- Crafted customer-facing documentation for the CLI.
- Created GitHub Action and homebrew tap for the CLI.

Contact : Quentin Rousseau (CTO) – quentin@rootly.com

Cloud Automation Intern
Bottomline Technologies ⬈

06/2021 – 08/2021

Achievements/Tasks
- Won first place with my team in the Intern Innovation Challenge for the second year in a row.
- Built documentation tool using golang for documenting shared GitLab pipelines used for all lines of business.
- Developed templates for GitLab CI and CD pipelines used across the entire company and every line of business.
- Worked globally with agile methodologies as part of a Scrum team.

Contact : Webster Paton (Manager) – WPaton@bottomline.com

SKILLS

`Go` `Python` `TypeScript` `AWS` `JavaScript` `Java` `Node.js` `Rust` `React` `Docker` `Terraform` `Grafana` `REST` `S3` `Prometheus` `GitHub` `API Gateway` `CI/CD` `Microservices` `Redis` `Linux` `Bash` `Git` `Lambda`

PERSONAL PROJECTS

Personal Website (06/2024 – Present) ⬈
- https://mattglei.ch
- 4th iteration of my website written in Next.js (React)
- Utilizes SSR, PPR, and other features of Next.js to provide excellent performance (100 real experience score)
- Uses my service called lcp (see below) to load live data from services like Strava and GitHub.

lcp (Lightweight Cache & Proxy) (06/2023 – Present) ⬈
- Technical writeup: https://mattglei.ch/lcp
- Written in Go with full deploy CI/CD to my Caprover server using GitHub actions.
- CI/CD for deploying, building, and linting using GitHub actions.
- Runs in a Docker container on my Caprover server.
- Caches, aggregates, and processes data from a number of API's such as Strava's API and GitHub's API.
- Stores cached data in mutex lock to share between threads.

Raspberry Pi Kubernetes Cluster (06/2022) ⬈
- A lightweight Kubernetes distribution called k3s deployed across 4 Raspberry Pis.
- Utilized CI/CD (GitHub actions) to provide automation pipeline to cluster.
- Provided observability using Prometheus and Grafana
- Deployed numerous microservices for a project on the cluster.

Cycling & Photography ⬈
- Avid mountain biker and road cyclist (https://www.strava.com/athletes/30124266).
- Automotive, action sports, and wildlife/nature photographer.

EDUCATION

Bachelor of Science in Computer Science
Rochester Institute of Technology

08/2022 – 05/2027
5 year program (CO-OPs)