Sean, Kuan-Hsuan Liao

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Software engineer who has taken a liking to infrastructure / platform work. Prefers designing simple and reliable architectures, while enjoying diving into complex systems to solve problems at their root. Never lacking for ideas, or the skill to make them a reality.

Timeline

Site Reliability Engineer   2022-06 – present
Snyk   London, UK
- Onboarded incident response vendor for more streamlined incident procedures across the company
- Implemented tooling for SLOs and consulted with teams to raise adoption and reduce alerting fatigue
- Designed and implemented a replatforming of logging (Fluentd/Elastic) and metrics (Prometheus/Grafana) onto Datadog via OpenTelemetry and Vector.
- Automated various processes and developer experience improvements with services in Go and Python
- Co-maintainer of libraries shared between all Go services
- Worked with open source projects (Dex, OpenTelemetry) to upstream internal improvements
- Additional duties: managing GCP, AWS, K8s, Kyverno, CircleCI, Teleport, Istio, PagerDuty, Backstage

Site Reliability Engineer   2022-03 – 2022-06
Deloitte   London, UK
- Spearheaded a multi cloud initiative (AWS, GCP) for Deloitte's SaaS product lines.

Site Reliability Engineer   2020-10 – 2022-03
De Bijenkorf   Amsterdam, Netherlands
- Standardized and secured Jenkins build pipelines for all services written in JS/TS and Java/Kotlin
- Adopted GitOps with ArgoCD and promoted Continuous Deployment across engineering teams
- Brought the majority of our GCP presence under IaC / terraform.
- Stabilized our logging (Fluentd/Logstash/Elastic) and metrics (Prometheus/Grafana) deployments
- Introduced distributed tracing via auto-instrumentation with OpenTelemetry for Node/JVM services to identify bottlenecks and slowdowns.
- Additional duties: managing GCP, K8s, OpsGenie, Kafka, and VM deployments with Ansible

MSc, Security and Network Engineering   2019 – 2020
University of Amsterdam   Amsterdam, Netherlands

BBA, Information Management   2014 – 2018
National Taiwan University   Taipei, Taiwan

Extracurriculars

Go (programming language)   2019 – present
- I work with the Go (programming language, golang) project to triage incoming issues, ensuring they are clear, reproducible, and actionable.

seankhliao.com/blog
- Notes on tech, in public so it may help someone (including the author in the future)