Meilin Huang

Senior Site Reliability Engineer

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SUMMARY

Senior Site Reliability Engineer with 7 years in SRE and production operations for fintech and logistics platforms on AWS and GCP. Leads incident response, builds observability with Prometheus and Datadog, and writes Go and Python automation that removes toil instead of moving it.

SKILLS

Python • Go • AWS • GCP • Kubernetes • Terraform • Prometheus • Datadog • Networking Observability

EXPERIENCE

Senior Site Reliability Engineer 03/2022 - Present

Three Rivers Payments Pittsburgh, PA

Payment processing company handling 900 million transactions a year.

- Raised API availability from 99.9% to **99.99%** by adding multi-zone failover on AWS and GCP.
- Lead incident command for severity-1 events, cutting median time to mitigate from 48 to 14 minutes.
- Moved 200 services from legacy dashboards to Datadog and Prometheus with SLO-based paging.
- Wrote Go operators that automate Kubernetes certificate and node rotation for 9 clusters.

Site Reliability Engineer 06/2019 - 02/2022

Steel Valley Logistics Tech Pittsburgh, PA

Logistics software for 4,000 trucking fleets.

- Codified 3 environments in Terraform, cutting drift findings from **50** to 2 per audit.
- Diagnosed networking issues between data centers and AWS, ending a recurring 2% packet loss.
- Automated capacity reports in Python that forecast cluster growth within 5% accuracy.
- Hosted 4 game days that found 11 failure modes before customers did.

Systems Administrator 09/2018 - 05/2019

Carnegie Hill Medical Group Pittsburgh, PA

Physician group with 40 clinics.

- Managed **150** Linux and Windows servers supporting 40 clinics with 99.9% uptime.
- Scripted backups and user provisioning in Bash, saving 5 hours of manual work a week.
- Rebuilt the clinic network monitoring, alerting on 95% of outages before staff called in.

EDUCATION

Bachelor of Science 05/2018

University of Pittsburgh Pittsburgh, PA

Computer Science

CERTIFICATES

Google Cloud Professional Cloud DevOps Engineer

Google Cloud

10/2023

Certified Kubernetes Administrator (CKA)

The Linux Foundation

07/2021