Elena Petrova

Senior Site Reliability Engineer

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SUMMARY

Site reliability engineer with 8 years in production operations for streaming and banking systems. Built the SLO program that lifted availability to 99.95% and cut recovery time by two-thirds as an incident commander. Writes Go and Python to remove toil.

EXPERIENCE

Senior Site Reliability Engineer — Tidewater Streaming

Portland, OR · Apr 2022 – Present

- Defined SLOs and error budgets for 14 customer-facing services and tied release freezes to them, lifting monthly availability from 99.5% to 99.95%.
- Served as incident commander for 30+ incidents and ran blameless postmortems, cutting mean time to recovery from 52 to 18 minutes.
- Wrote a Go service that autoscales encoding workers on queue depth, absorbing 5x traffic spikes during live events without manual action.
- Automated certificate renewal and DNS changes, removing about 10 hours of on-call toil a week.

Systems Engineer — Pinecrest Financial

Portland, OR · Jul 2018 – Mar 2022

- Ran Linux and PostgreSQL infrastructure for online banking serving 300,000 members, on a 5-week on-call rotation.
- Introduced Prometheus and Grafana with service-level dashboards, replacing Nagios checks that had missed 3 major outages.
- Ran quarterly disaster-recovery tests and cut database failover time from 40 to 6 minutes.

SKILLS

Reliability: SLOs and error budgets, incident command, postmortems, capacity planning, chaos testing

Languages: Go, Python, Bash

Platform: Kubernetes, Linux, Terraform, AWS, PostgreSQL

Observability: Prometheus, Grafana, OpenTelemetry, Loki, PagerDuty

EDUCATION

B.S. Computer Science, Portland State University, 2018

Fictional example by FindAJobAI: the person, employers and numbers are invented.