Niels Kjer J.R.

Site Reliability Engineer
NYC

Email: ntkjer@gmail.com
GitHub: ntkjer
LinkedIn: nielskjer
Phone: 562-964-4426
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Summary

Currently an SRE at J.Crew, I work on building monitoring solutions and internal tools for observability and reliability initiatives. My key interests are in containers and orchestration, Linux, and Go.

Experience

J. Crew

Site Reliability Engineer; May 2019 - Present; NYC

Skills: AWS, Golang, Bash, Python, Grafana, Prometheus, Docker, Kubernetes, Thanos, Terraform, GitHub, Markdown, Nginx, Jenkins, Ansible, RHEL/Amazon Linux, AppDynamics, InfluxDB.

Overview:

– Designed, developed, and managed the alerting and monitoring infrastructure for J.Crew.
– Programmatically template metrics and KPIs for production and lower environments using Grafana.
– Implemented custom Prometheus exporters using Golang.
– Created probes and alerts using Alertmanager, Grafana, SensuGo, and custom metrics.
– Wrote Golang, Python, and bash code for internal tooling.
– Migrated from ECS to EKS.
– Wrote and maintained Dockerfiles, Kubernetes yamls, Nginx configs, and Terraform codebase.
– Wrote architecture documents for our EKS migration and Thanos implementation.
– Participated in an on-call rotation for production environment.

IBM - CISO

Software Engineer: Monitoring and Tooling; July 2017 - July 2018; Austin, Texas

Skills: Python, Flask, Angular, SQLite, Jinja2, Bash, Ansible, Jenkins, Kafka, ELK, git, RHEL/CentOS, Nginx, Kubernetes, Docker, Apache NiFi.

Overview:

– Developed and maintained internal tools and microservices for internal CISO.
– Maintained and supported internal ELK-based SIEM platform.

Victorise

Software Engineering Intern; November 2016 - Feb 2017; remote, part-time

Skills: AWS, Three.js, WebGL, Javascript, git, Node, Express.

Overview:

– Created three.js polygons and scenes for AR product.

Education

Sarah Lawrence College Computer Science and Math, BA; 2013-2017.