Sneha Inguva

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Skills

Go, Bash, Python, C/C++, Linux, OpenVSwitch(OvS), Kubernetes (k8s), Prometheus, Docker, Ansible, Terraform, Chef, AWS

Work Experience

Netflix (Nov 2022 -)
Software Engineer, Cloud Network Engineering
- Proposed, got buy-in, and was lead engineer of a distributed remote debugging network tool for the Netflix fleet using Go and AWS SSM
- Led auditing, migration, and livestream hardening efforts of the current cloud DNS services
- Proposed a 2025 revamp and long term vision of DNS
- Mentored multiple new engineering grads and authored re-usable team onboarding plans
- Working to reduce on-call burden via thorough cloud primitive runbooks
- Collaborated to improve perf of an existing distributed IP allocation service and help write a new Go IP allocation service
- Helped with the IPv6 migration process by working on a workflow orchestration tool in Python
- Part of regular on-call rotation debugging L4-L7 connectivity and performance issues for org-wide service owners

Fastly (Feb 2021 - Nov 2022)
Senior Software Engineer, Network Control & Optimization
- Working on various Go-based telemetry services used for egress traffic engineering
- Working on HA, reducing resource utilization, and optimizing latency for a BGP routing manager - a core component of the automated egress traffic engineering platform

Digital Ocean (April 2016 – Feb 2021)
Senior Software Engineer, CNS Networking
- Worked on a private droplet product and led product benchmarking
- Worked on the L3/MPLS initiative to help move the SDN architecture from L2 to L3-based
- Worked on an internal Go implementation of a DHCP server in support of the custom image product
- Worked on DDOS detection component of custom DHCP server

Software Engineer, Platforms & Tools
- Worked on a horizontally-sharded data center-wide monitoring system using Prometheus
- Worked on a Golang-based abstraction layer on top of k8s for internal deployments

Sols Systems (July 2015 – Jan 2016)
Software Engineer, 3D-Tools & Consumers
- Used Node.js and React to build supply chain testing tool
- Used OpenCV, Python, and C++ to work on foot measurement tools
- Prototyped embedded systems gait analysis PoC

Perooz (June – December 2014)
Technical co-founder
- Built and launched a browser-based annotation tool and backend using Javascript and PHP.

Education

Bachelor of Science in Electrical Engineering and Economics, Yale University (2012)
Thesis: "Applications of MultiLayer Feed-Forward Neural Networks"
GPA: 3.76/4.0

Speaking & Awards

DO Community Tech Talk: Handy Networking Tools and How to Use Them (2020)
Strangeloop – Networking and Go: An Engineer's Journey (2019)
PromCon – Talks: Observability and the Cloud, Observability and Product Release (2017, 2018)