

Sneha Inguva

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Education

University of Southern California | M.S. Computer Science (*In progress*)

Stanford | CGOE Program: Graduate Certificate, Foundations in Computer Science (2025-2026) | GPA: 3.71/4.0

Yale University | B.S. Electrical Engineering & Economics (2007-2012) | GPA: 3.76/4.0

Skills

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

Work Experience

Netflix (Nov 2022 - March 2025)

Software Engineer, Cloud Network Engineering

- Led design and implementation of a distributed debugging network tool for the Netflix fleet using Go and AWS SSM
- Directed cloud DNS services migration, auditing, and hardening to support critical livestream products
- Authored 2025 revamp and long-term DNS strategy
- Contributed to performance optimization of existing distributed IP allocation service and co-authored its Golang-based replacement
- Contributed to IPv6 migration process via a workflow orchestration tool in Python
- Member of on-call rotation debugging connectivity and performance issues for service owners across Netflix
- Reduced on-call burden via thorough cloud primitive runbooks and onboarding plans
- Mentored multiple new engineering grads on both multiple projects and on-call onboarding

Fastly (Feb 2021 - Nov 2022)

Senior Software Engineer, Network Control & Optimization

- Co-authored Go-based telemetry services used for egress traffic engineering
- Worked 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

- Led benchmarking of private droplet product concept
- Worked on the L3/MPLS initiative to migrate from L2 to L3-based SDN architecture
- Co-authored an internal Go implementation of a DHCP server

Software Engineer, Platforms & Tools

- Worked on a horizontally-sharded data center-wide monitoring system using Prometheus
- Worked on a Go-based abstraction layer on top of k8s for internal deployments

Early Career Startups, Various Roles (Oct 2013 to Jan 2016)

Notable experiences:

- Perooz (June – December 2014), Technical co-founder
 - Built and launched a browser-based annotation tool and platform using Javascript and PHP.
- High 5 Games (Oct 2012 – Oct 2013), Mathematician

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)

CUNY Tow-Knight Entrepreneurial Journalism Fellowship – (2014)