

# Sneha Inguva

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## Skills

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

## Work Experience

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### Netflix (Nov 2022 - )

*Software Engineer, Cloud Network Engineering*

### 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

*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

### Sols Systems (July 2015 – Jan 2016)

*Software Engineer, 3D-Tools & Consumers*

- Used Node.js, React, and Javascript to build supply chain testing tool
- Used OpenCV, Python and C++ to work on foot measurement tools
- Prototyped PoC that utilized embedded systems for gait analysis

### Perooz (June – December 2014)

*Technical co-founder*

- Built and launched a browser-based annotation tool and backend using Javascript and PHP.

### Mentored LLC (Oct 2013 – May 2014)

*Software Engineer*

- Used python to aggregate and analyze sales funnel data

### High 5 Games (Oct 2012 – Oct 2013)

*Mathematician*

- Utilized Matlab and C++ to design and run Monte Carlo simulations of slot games.

## Education

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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

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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)

Tow-Knight Fellowship for Entrepreneurial Journalism (2015)