

Varun Sharma

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WORK EXPERIENCE

LinkedIn

Site Reliability Engineer — Infrastructure

Bangalore, IN
July 2021 - Present

- Working with the Edge Infrastructure team, responsible for managing LinkedIn's Edge Network which involves services like DNS, CDNs, Azure Front Door, TLS certificates and tooling around that.
- Developed an AI-based tool capable of intelligently orchestrating the Edge (AFD, PoPs, CDNs) on the DNS layer for optimal end-user availability. This completely automated the mundane task of manual fail-overs, cutting down on several man hours.
- Worked with cross team counterparts to roll out LinkedIn's Azure native infrastructure in China, where I designed the DNS-level load balancing setup for rapid automatic failover in the event of maintenance breakdowns or outages.
- Worked on migrating site-traffic from LinkedIn's legacy Edge on to Azure Front Door. Responsible for setting up Azure Front Door and ramping the traffic for the migration.
- Worked closely with Microsoft Azure counterparts to help them recognise and solve ongoing issues with their AFD platform as it pertains to LinkedIn. Worked on devising the Proof of Concept for performing Automated Root Cause Analysis of such issues.
- Introduced manifold improvements to LinkedIn's URL short-link domain - lnkd.in - by aligning stakeholders to remove extra redirect and by onboarding it to Azure Front Door with Caching at the Edge.

Intern, Site Reliability Engineering — Infrastructure

May 2020 - July 2020

- Worked with Capacity Engineering Team, responsible for developing tools for scaling LinkedIn's services to optimal capacities.
- **Improved LinkedIn's capacity analysis engine** by devising an AI pipeline for detecting infrastructural bottlenecks within an ecosystem with over 1700 microservices.
- Prototyped the AI pipeline using Python and attained around **92% positive results**.
- Gained insights about **software scalability** issues, **microservices-based architectures** and related **operational problems**.

EDUCATION

Bachelor of Engineering, 2017 - 2021	Netaji Subhas Institute of Technology, DELHI UNIVERSITY Computer Engineering	CGPA: 8.65 / 10
Higher Secondary School 2016-2017	Central Board of Secondary Education, NEW DELHI Class XII	Percentage: 97.0 %
Secondary School 2014 - 2015	Central Board of Secondary Education, NEW DELHI Class X	CGPA: 10.0 / 10

TECHNICAL SKILLS

- **Programming Languages:** Python (Proficient), Java (Novice), C/C++ (Novice), Go (Novice).
- **Technologies:** Machine Learning, UNIX/Linux Systems, SQL, RESTful Web-APIs, Docker, DNS, CDNs, Edge Networks, Cloud Computing
- **Tools:** Tensorflow, Keras, Azure, Scikit-Learn, Git version control, Markdown, Flask (Python) Web Development Framework, HTML, CSS, JavaScript (Novice).

ACHIEVEMENTS

- **Craftsmanship Award FY'22 Q2 by LinkedIn India Site Engineering** for work on AFD migrations.
- Among the **top 15 participants** all over India in **Flipkart Software Engineering Challenge 2020**.
- **Global Rank 267** out of over 10,000 participants in **CodeChef February Long Challenge 2020**.
- **KVPY Fellowship Award 2017** awarded by Indian Institute of Science (IISc), Bangalore.