

Sangita Maity

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WORK EXPERIENCE

LinkedIn - Sunnyvale, CA

2018 - Present

Senior Software Engineer

- Defined and built a Testing framework extensively for LinkedIn Datacenter (and Azure Cloud) by **identifying & solving existing pain point** in **collaboration** with NRE, SRE and NOC team; Improved the **product release time by 30% &** increased **developer's productivity by 15%**
- Pioneered the idea of telemetry** feature to improve the monitoring and alerting feature by **reducing the refresh rate to 30s** with efficient data quality in collaboration with Infra, NRE and Traffic SRE team.
- Launched Dynamic Port Breakout feature into internal system **to assist key stakeholders** in quick build process reducing **operational cost by 5-7%** and **attained a 2x growth** in DC expansion.
- Designed and Prototyped new routing protocol (i.e., OpenFabric) for Next-Gen DataCenter network to bring more **visibility & optimize the global view of network**. Built a **one-click feature** in CrystalNet's Setup to mock LinkedIn's entire DC topology by **analyzing** and understanding the **traffic's pattern**.
- Collaborated with hardware team in building the porting capabilities of new Open19 platform on top of SONiC improving cross-platform infrastructure building process **and leading to adoption in Open community**.

LinkedIn - Sunnyvale, CA

2017

Network Software Development intern

- Revamped the MVP of Built RESTful APIs for white box with SONiC integration; Built more **brand awareness & enhanced the adaptability** of new white-boxes by strategizing go-to-market plan in the enterprise market.
- Partnered with **Open community (i.e., >10+ company)** to design, and **develop interactive front-end user interface** for [SONiC](#) to reduce operational risks and facilitate user interaction seamlessly, gaining popularity and **early adopter advantages** in community.

Tata Consultancy Services - Kolkata, India

2014 - 2016

Storage & Backup Administrator

- Improved disaster recovery of data backup and integration with 3rd party data sources in pursuit of **new customer acquisition within 3 months** of taking over the cloud storage products maintaining industry standards, SLA, security, and trust.

PROJECTS

Open Compute Project – Hackathon

2019

- Won the **best hackathon MVP award** in 2019 for **decreasing latency in data plane** which has eventually been rolled out in LinkedIn cloud infra.

Self-Healing Network Systems

2016 - 2018

- Conducted** research with **40+ network administrator** to implement a multivendor traditional and OpenFlow based SDN network monitoring system and developed a Flask based GUI to **manage end-to-end monitoring** Funnel framework.
- Designed a network solution for a 3 tier ISP using white box devices and open-sourced networking solutions hosting in AZURE cloud; **Optimized the roll out funnel** by reducing the implementation complexity and **optimizing the supply chain**.

EXTRACURRICULAR ACTIVITIES

LinkedIn - Sunnyvale, CA

2021 - Present

[WIT Outreach](#) Talent Lead

- Collaborated with other WIT leads **to increase engagement** using different content distribution strategy and **analyzing WIT page analytics**, discovering region-wide gaps and suggested solution effectively **increasing subscriber by 5% within 5 months**.

EDUCATION

University of Colorado, Boulder

2016 - 2018

MS in Telecommunication (Network Engineering)

West Bengal University of Technology - Kolkata, India

2010 - 2014

B. Tech (Electronics and Communication Engineering)

ADDITIONAL SKILLS & INTERESTS

Programming Language: Python, GO, C++.

Tools: Microsoft Office/Excel, Jenkins, Jira. Plus, Agile, Scrum methodologies.