

# Amar Chaudhari

I am a passionate SRE with experience in large-scale production systems, automation first mindset, and well versed in numerous technologies including Linux, Switching/Routing, and DevOps



✉ contact@amarchaudhari.me

📍 Sunnyvale, USA

🌐 linkedin.com/in/amar-chaudhari

📞 Phone Number

🌐 www.amarchaudhari.me

## WORK EXPERIENCE

### Senior Site Reliability Engineer LinkedIn Inc.

06/2018 - Present

Sunnyvale, USA

#### Achievements/Tasks

- Responsible for reliability, resiliency, and performance of over 30 million Company Pages, Products Marketplaces and Company Search on LinkedIn.
- Lead the production readiness of Company Pages services including performance tuning, JVM heap tuning, migrating/tuning G1 garbage collector that resulted in a 40% reduction in GC time and handles 350,000 qps of site traffic.
- Lead the cluster capacity planning for the Company Pages services.
- Identified SLI's and established SLO's & SLA's for monitoring & alerting.
- Lead a team of engineers to strategize, design, and develop a tool to automate availability triaging that reduced toil by 50% for the Product SRE.
- Authored technical sessions for the development team to improve reliability and resilience in the services.
- Lead post mortems for Company Pages and worked with development teams to drive resolution of the action items.
- Worked with TPMs & Managers to finalize quarterly OKRs and sprint planning for the team.
- Mentored new team members to effectively onboard to the LinkedIn stack and Company Pages services.
- Participated in a 24x7 on-call rotation for production services.

### Graduate Student Assistant - Network Operations University of Colorado Boulder

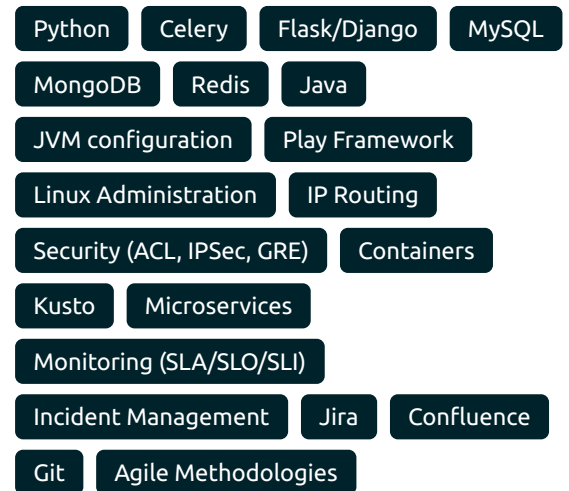
08/2017 - 05/2018

Boulder, USA

#### Achievements/Tasks

- Working with the NOC of the University Of Colorado Boulder to build and maintain campus network.
- Setup Virtualization Environment using ESXi & KVM and AOE SAN Datastore.
- Setup 3 Node Proxmox cluster with CoRaid AOE SAN Datastore.
- Created VMs and Setup tools - Arista CVP, Rancid, Smokeping, Zabbix, sFlowtrend, Observium etc.
- Setup a POC environment for VXLAN testing.

## SKILLS



## PROJECTS

### Investigator (01/2019 - Present)

- Built a one-stop investigative tool for all availability debugging to achieve >=99.99 availability

### ShipShape (03/2019 - 05/2019)

- Identify and incorporate graceful degradations in Company Pages to improve the resilience on LinkedIn

### Project Romana (05/2018 - 11/2019)

- Worked with the development team to completely re-architect the Company Pages backend with a mission to build a state-of-the-art infrastructure and platform to power the next-generation organization ecosystem

### Simple-Ingraphs (04/2019 - 09/2019)

- Automated monitoring and alerting dashboard generation of services in LinkedIn

### Pages Capacity Planning (05/2019 - 05/2020)

- Lead the capacity planning for Company Pages services, including redlining services, estimating and adjusting cluster capacity for growth.

### Error Log Fingerprinting (06/2017 - 08/2017)

- Build a tool leveraging open source technologies to gather, store and parse error/exception logs from 10,000 Hadoop nodes. The system utilized Filebeats as a log shipper, Kafka for message buffering and ELK cluster for storage, parsing and visualization

### Puppet Deployment (08/2016 - 02/2017)

- Created puppet module for automated setup of Python Virtual-Environment, Required packages and Jupyterhub

## WORK EXPERIENCE

### **Site Reliability Engineer Intern**

LinkedIn

06/2017 - 08/2017

Sunnyvale, USA

*Achievements/Tasks*

- Worked with the GRID SRE team which is responsible for all the Hadoop clusters in LinkedIn.
- Designed and built a tool to fingerprint error logs from 10,000 Hadoop nodes in near real-time.
- The tool consumed on an average 50,000 logs/minute and provided visual representation of the cluster state.

### **Network Engineer**

Rakuten Inc.

10/2013 - 07/2016

Tokyo, Japan

*Achievements/Tasks*

- Lead the Automation Team which focused on automating mundane and time consuming tasks such as adding VLAN's to 1000 access switches, configuring ACL's, device configuration backups etc.
- Worked with the Network Development Team to design, plan and deploy datacenter networks.
- Configured Routing Policies (Static/OSPF/BGP), ACLs and VPN tunnels.
- Configured Cisco Nexus/Router 3650, 5548, 5596, 7k, ASR.
- Configured Juniper Firewall SSG2000, SRX3400.
- Configured F5 BIG-IP i5000, i2000 Load Balancers.
- Configured Monitoring Tools Such As MRTG, PRTG, SolarWinds.

## PROJECTS

### **Switch Automation Project** (05/2015 - 06/2016)

- Django based web application tool for automating some of the switch functions such as Add/Remove VLAN's; Interfaces; SAN Zones

## EDUCATION

### **M.S in Network Engineering** University of Colorado Boulder

08/2016 - 05/2018

Boulder, USA

### **B.S in Information technology** Pune Institute of Computer Technology

05/2008 - 05/2013

Pune, India