

Krishan Chopra

✉ choprakrishan6@gmail.com

☎ (+91) 9910419718

in [linkedin.com/in/krishan-chopra-99127a45/](https://www.linkedin.com/in/krishan-chopra-99127a45/)

With 7 years of experience in cloud infrastructure and software development, gained expertise in building, maintaining, and optimizing cloud architectures. Skilled in Distributed Computing, Software Development, K8S and CI/CD pipeline development.

PROFESSIONAL EXPERIENCE

Site Reliability Engineer-2
Software Developer
Oracle Cloud Infrastructure

Oct 2021 – Dec 2024 | Bengaluru
Feb 2020 – Sep 2021 | Bengaluru

Project: CI/CD Pipeline Development for all LB Teams

- Successfully migrated 88 repositories across multiple languages to the new CI/CD pipeline, impacting the daily workflows of all LB team members. The new system handles all builds, tests, and deployments, replacing a previous setup that triggered about 850 builds weekly using Teamcity. The project was completed three weeks ahead of schedule without any downtime. Provided extensive training sessions and ongoing support to ensure a smooth transition for all teams.
- Identified and reported three feature requests and two bugs in the Build Service, receiving recognition for proactive issue reporting and code contributions that enhanced infrastructure reliability at the organisation level.

New Pre-Production Environment Setup

- Designed and built a new pre-production environment to replace a non-reliable shared setup, supporting eight teams across three continents. The new architecture, which included dedicated preprod and staging regions, was delivered without any downtime and included robust monitoring and alerting systems.

Infrastructure as Code Project

- Collaborated in a 3-member team to migrate the Load Balancer Team's infrastructure to a scalable Terraform-powered setup, writing code for 12 applications and integrating it with the Application Deployment pipeline to enable seamless CRUD operations.

Auto Host Registration and 1-Click Ingestion

- Developed and deployed automated host registration for new region builds, allowing hosts to self-register upon startup, enabling touchless region build. Also integrated this functionality was also beneficial for existing realms. This automated the entire process of host ingestion and reduced manual toil by saving the team approximately 3 days per region being built.
- Integrated this feature with another functionality that I developed which is "1-click ingestion" for Bare Metal and Virtual Machines in the fleet, streamlining operations across the infrastructure. 1-Click Ingestion reduced the time of host ingestion from 3 hours to 70 minutes and failure rate in ingestion from 40%+ to less than 15%.
- These enhancements reduced on-call operator toil and proved very valuable in outages wherein nodes crashed.

Cloud Support Engineer
Amazon Web Services

Sep 2017 – Jan 2020 | Bengaluru

- Gained expertise in Networking Protocols (TCP/IP, DNS, HTTP, SSL), Linux System Programming, and AWS services. Troubleshooted cloud networking issues, replicated customer scenarios, and collaborated with Solutions Architects to improve customer architecture.
- Managed high-severity cases and escalations, serving as a primary point of contact for Load balancer performance and timeout issues. Authored four internal articles and delivered three training sessions, sharing knowledge and mentoring new recruits.

Software Engineer
Samsung Research & Development Institute

Jul 2017 – Aug 2017 | Bengaluru

- Developed a Proof of Concept (POC) for a rating system, utilizing TensorFlow Sentiment Analysis to process and analyze cafeteria food reviews. The project involved cleaning and pre-processing data to determine user sentiment and preferences for various vendors.

TECHNICAL SKILLS

- **Languages:** Java/J2EE, C/C++, Python, Bash, Node.js
- **DevOps & Cloud:** CI/CD, Docker, Kubernetes, Terraform, Grafana, Ansible, Oracle Cloud, AWS
- **Databases:** MySQL, Oracle Coherence, Hadoop, MongoDB
- **Miscellaneous:** Distributed Systems, REST, RBAC, IAM, SAML, Escalations Engineer, NOC specialist

EDUCATION

Stony Brook University

Incoming MS CS student in Fall 2025

Jamia Millia Islamia

July 2013 – June 2017 | Delhi, India

B. Tech in Computer Engineering

Data Structure, Algorithms, OOPS, ML, DBMS OS, Computer Networks, Linux Systems Programming **GPA 3.91/4.0|CGPA 8.5/10**
In Final year I worked on 2 academic projects and published a research paper for one of the projects.