Anurag Khuntia

Platform Engineering

Dedicated and results-driven Platform Engineer with a strong background in fintech, bringing three years of hands-on experience in designing, implementing, and optimizing robust platforms for financial applications.

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Education

B.Tech - Computer Science

***Amrita* Vishwa Vidyapeetham, Coimbatore**

Courses: OS, Machine Learning, DBMS, Algorithms, Networks

AISSCE

Maharishi International Residential School, Chennai

Courses: C++, Science

Skills

Platforms: Datacenter, Docker, Openstack, Kubernetes, Rancher, Jira, Gitlab, Nexus
Languages: Python, Terraform, C++, Ansible, Bash
Tools: Prometheus, Grafana, Jenkins, Kibana, FluentD, Otel, ELK Stack,
Loadbalancers: NSX LB, HAProxy, Nginx, AVI
Others: Machine Learning, Jupyter notebook, Pandas

Certifications

Carnegie Mellon University: Advanced Certificate Program in DevOps and Platform Engineering
(04/2023 - 10/2023)

Achievements

- **Best Team Project in Cloud Implementation (Financial Services)** - 7th Edition Technology Excellence Awards 2025, Quantic India.
- **Best Cloud Project in DevOps** - India DevOps Show 2023, Quantic India.

Personal Projects

People+ai, Ekstep Foundation, Bangalore

Contributor and Volunteer, Open Cloud Compute
(12/2023 - present)

Interests

Football, Painting, Adventure, Reading.

Work Experience

National Payments Corporation of India, Chennai

Senior Associate SDE - Platform Engineering, *(07/2023 - present)*
Associate SDE - Platform Engineering, *(11/2021 - 07/2023)*
Graduate Engineer Trainee - DevOps, *(11/2020 - 11/2021)*

- Currently designing and building in-house cloud infrastructure using modern protocols i.e, BGP, FRR, ECMP, BFD, CoreDNS, DNSMasq and Kubernetes orchestration in a new server hall to expand workload capacity achieving to make pod and service network discoverable, advertisable and routable across datacenter.
- Deployed multiple Canonical Charmed OpenStack clusters with multiavailability zones and SAN/Ceph storage, migrating 100% of non-production workloads and initiating migration of production workloads, reducing VMware licensing costs by 60%.
- Built a Kubernetes-native observability platform using Otel Collector, Kafka, Grafana, Ceph, ArgoCD, and VictoriaMetrics to monitor OpenTelemetry (OTEL) data, i.e., traces, logs, and metrics across L1 to L7, covering software, hardware, firewalls, switches, and load balancers.
- Automated bare metal and virtual machine provisioning with compliance and configuration using MAAS, Terraform, Ansible, and CI/CD pipelines via GitLab CI and Jenkins - reducing server deployment time by 70% for UPI, IMPS, and other critical workloads.
- Configured CI-CD environment for Bharat Switch and Bharat-BillPay applications i.e, Rupay Backoffice and BBPS.
- Implemented a centralized key management system using HashiCorp Vault with Python wrappers, achieving HA active-active cross-site setup and optimizing costs compared to licensed solutions.
- Deployed and monitored load balancers (NSX, HAProxy, NGINX, AVI) to handle MPLS and Internet traffic, including international UPI traffic from foreign banks.
- Successfully executed two data center migrations from colocation facilities to in-house infrastructure within a year, reducing costs and improving control.
- Experience in racking, cabling, and commissioning physical servers in high-performance environments.

Collins Aerospace, Bangalore

Project Intern - Data Analytics, *(01/2020 - 08/2020)*

- Developed deep learning POC for image recognition and text-to-speech conversion.
- Tools: Flask, Python, HTML/CSS, JS, ML, Numpy, Pandas, OpenCV.

PricewaterhouseCoopers Ltd, Bangalore

Intern - Advisory Govt and Public Services, *(05/2019 - 06/2019)*

- Enhanced processes for Business Process Re-engineering.
- Tools: Microsoft Excel, Microsoft Visio.