

PRASHANTH KATKAM

+91-7989190597 ✧ Hyderabad, Telangana

prashanthkatkam1111@gmail.com ✧ [linkedin.com/in/prashanthpk/](https://www.linkedin.com/in/prashanthpk/) ✧ [Prashanth Portfolio](#)

OBJECTIVE

Senior Cloud Engineer with 5+ years of experience across Oracle Cloud Infrastructure. Proficient in Linux, Terraform, Ansible, Git, GitHub, Nagios, and Docker, I maintain a strong focus on architecting and implementing cloud security, automation, and designing scalable, high-performance solutions. My expertise extends to Amazon Web Services and Microsoft Azure, and skilled in DevOps tools and optimizing cloud workloads for superior reliability and performance.

EDUCATION

Bachelor of Technology in Computer Science and Engineering	2017 - 2020
Vallurupalli Nageswara Rao Vignana Jyothi Institute of Engineering and Technology	Hyderabad, India.

Diploma in Computer Engineering	2014 - 2017
Singareni Collieries Polytechnic	Mancheri, India.

SKILLS

Cloud Platforms	Oracle Cloud Infrastructure, Amazon Web Services, and Microsoft Azure.
DevOps Technologies	Git, GitHub, Terraform, Linux, Ansible, Nagios, Splunk, Grafana, Docker.

EXPERIENCE

Senior Cloud Engineer	Dec 2022 - Present
LTIMindtree	Hyderabad, India

- Provisioned a Hub and Spoke network topology in OCI, designating the central Hub VCN for centralized traffic governance and ensuring secure, isolated communication across all connected Spoke VCNs.
- Established a robust security posture by strategically implementing OCI network firewalls for both east-west and north-south traffic, leveraging firewall policies to meticulously control and filter network communication throughout the OCI infrastructure.
- Leveraged OCI Resource Manager with Terraform to automate infrastructure provisioning, dramatically reducing manual effort, ensuring configuration consistency, and accelerating deployment cycles.
- Reduced costs by right-sizing compute and database instances, migrating data to OCI Archive Storage, consolidating underutilized resources, and optimizing network costs, saving approximately 643 Dollars annually through these and other initiatives.
- Implemented cloud security best practices by following CIS Benchmarks, National Cyber Security standards, Cloud Guard and Advisor recommendations, and controls from the OCI Well-Architecture Assessment.
- Governed OCI Autonomous Databases, MySQL HeatWave, and Base DB instances, optimizing performance, and implementing backups and patch management. Maintained a structured OSMS patching schedule for OCI instances, including rollback plans, to minimize downtime and ensure system recovery with minimal impact.
- Implemented logging and monitoring by integrating OCI Logging and OCI Streaming services with the third-party SIEM tool, IBM QRadar, to centralize log data and facilitate real-time threat analysis and observability.
- Planned and achieved a full-stack disaster recovery, utilizing Oracle Autonomous Transaction Processing (ATP) with Data Guard for database replication and failover, and Volume Group CRR. This ensured business continuity with automatic failover and minimal downtime for mission-critical applications, alongside the protection of data.
- Configured and supervised OCI Fast Connect and Site-to-Site VPN connections to establish secure, high performance, and reliable connectivity between on-premises data centers and Oracle Cloud Infrastructure, ensuring encrypted data transfer and seamless network communication for hybrid cloud environments.
- Conducted the migration of JD Edwards Application to OCI with the database data migration from on-premises databases to Oracle Autonomous Database using Oracle Data Pump, Buckets and GoldenGate.

- Integrated Microsoft AD with OCI IAM, enabling authentication and centralized identity management. Configured and enabled single sign-on (SSO) across OCI resources and on-premises environments.
- Implemented IAM policies and structured compartments based on environment and application types to enforce security and the principle of least privilege.
- Supported the configuration of applications like FortiGate, Infoblox, Tenable, Veeam, Seclore, ELK, Splunk, Nagios, and Microsoft AD into the OCI environment, ensuring seamless deployment and troubleshooting.
- Developed and maintained High-Level and Low-Level Designs (HLD/LLD), complete with packet flow diagrams, to ensure OCI tenancy architecture delivered scalability, security, and optimized performance

Cloud Engineer

Larsen and Toubro Infotech

Oct 2020 - Dec 2022

Hyderabad, India

- Configured and managed OCI Virtual Cloud Networks, including subnets, route tables, network security groups, and security lists, ensuring seamless network communication within and outside the cloud environment.
- Designed and implemented cloud infrastructure, leading the management of scalable, secure, and high-availability cloud solutions using Oracle Cloud Infrastructure services, including compute, networking, storage, and security.
- Implemented OCI IAM policies, users, groups, and compartments to ensure secure access control for both internal and external users, adhering to the principle of least privilege.
- Deployed OCI compute instances, set up auto-scaling groups and load balancing to ensure performance and fault tolerance, and Enacted OCI block storage, object storage for large-scale data management, and file storage for shared file systems, optimizing cost and performance based on workload requirements.
- Implemented OCI security best practices by enabling encryption at rest and in transit, Configured Web Application Firewalls for Load Balancers to secure applications and mitigate common web attacks.
- Provisioned and managed Oracle Integration Cloud instances, managing users and groups, enabling file server, monitoring workflows, and ensuring seamless connectivity between cloud and on-premises applications.
- Deployed structured OSMS patching schedule for instances, ensuring timely application of security patches and updates. Developed rollback plans to ensure system recovery in case of issues during patching.
- Performed automation scripts to manage file and data operations, including deleting files, downloading objects from OCI buckets, and moving files between directories. These tasks helped optimize storage and manual work.
- Implemented comprehensive cloud monitoring by setting up alarms, notifications, and event rules to ensure timely and proactive response to performance, security, and utilization issues across the OCI environment.

KEY ACHIEVEMENTS

- Implemented Hub and Spoke Architecture, Implemented OCI Network Firewalls and Policies, Achieved High Availability and Disaster Recovery, Optimized Cloud Infrastructure Costs, and Enhanced Network Security.

STRENGTHS

- Strategic Thinking, Technical Expertise, Problem Solving, Adaptability, Resilience and Communication.

CERTIFICATIONS

- Oracle Cloud Infrastructure Certified Architect Professional.
- Oracle Cloud Infrastructure Certified Security Professional.
- Oracle Cloud Infrastructure Certified Multicloud Architect Professional.
- Oracle Cloud Infrastructure Certified Observability Professional.
- Oracle Cloud Infrastructure Certified Networking Professional.
- Oracle Cloud Infrastructure Certified DevOps Professional.
- Microsoft Certified DevOps Engineer Expert.