

SRE | Cloud DevOps Engineer | CKA | Multi-Cloud | MLOps & AI Infrastructure

Results-driven Cloud & DevOps Engineer with 5+ years of experience building and managing large-scale distributed systems across on-prem, private, and public cloud environments (AWS, Azure, GCP). Certified Kubernetes Administrator skilled in designing and optimizing enterprise CI/CD pipelines, programmable infrastructure, and automated release workflows using Terraform, Ansible, and Kubernetes toolsets. Experienced in supporting complex software delivery systems, performing root cause analysis for production issues, and implementing observability using Prometheus, Grafana to maintain system reliability and performance.

SKILLS:

Technical Skills

- Cloud Platforms: AWS (EC2, EKS, S3, RDS, IAM, CloudWatch, Route53, VPC), Azure(VM, VNET, AKS, Monitor, AI Studio, Storage Account,etc) , GCP(VPC, Compute Engine, GKE, Cloud Dns, Cloud Load balancing, Monitor, etc), and Cloudflare.
- Containerization & Orchestration: Docker, Kubernetes(AKS,EKS,GKE), OpenShift.
- CI/CD: Azure DevOps, Jenkins, GitLab CI, and AWS CI/CD, Github Action, .
- Monitoring & Logging: Prometheus, Grafana, CloudWatch, Azure Monitor, Datadog, Splunk etc.
- Private Cloud: Basics of OpenStack and VMware.
- Infrastructure as Code (IaC)/ Configuration Management: Terraform, Ansible and YAML Configurations.
- Programming/Scripting: Python, Bash and managing various microservice environments(Java, Node Js, Go, etc)
- Operating Systems: Linux(Ubuntu, Redhat, Amazon Linux, Azure Linux) and Windows Server Administration.
- Security/Others: Trivy, Secret Manager, Pipeline Security, IAM, Well-Architected Framework.

WORK EXPERIENCE:

CSI Interfusion

Software Engineer(Devops) | March 2024 – Present

- Worked closely with Microsoft as a client, focusing on the MLOps part of Azure backend for AzureML Studio & Open AI Services.
- Designed and implemented CI/CD solutions and internal DevOps tooling to streamline manual operations and accelerate software releases across distributed systems.
- Managed Kubernetes on AWS/Azure lifecycle, including custom resource configurations, upgrades, and seamless application scaling, while resolving performance issues to maintain high platform availability and reliability.
- Maintain and improve system reliability, stability, and performance based on defined SLOs and SLIs.
- Partnered with global development and infrastructure teams (U.S. & India) to triage production issues, conduct root cause analysis, and improve deployment reliability.
- Configured and optimized EKS/AKS environments by setting up namespaces, network policies, resource quotas, and node selectors, ensuring governance and efficient resource utilization across projects.
- Deployed and managed applications on PaaS platforms, orchestrated container image repositories, and facilitated the deployment of OpenShift Container Platform in both public and private cloud infrastructures.
- Leveraged Azure Kubernetes Services (AKS) for container orchestration and utilized Azure DevOps/ Github Actions for deployment, continuous integration, and building resilient CI/CD pipelines.
- Utilized observability tools like Prometheus, Grafana, and ELK, alongside Azure Monitor, Cloud Watch to monitor system health, identify issues, and maintain performance across AWS and Azure environments.
- Provisioned and automated infrastructure resources using Terraform and Ansible, ensuring scalability and adherence to infrastructure-as-code principles.
- Developed backend solutions using Kubernetes, enhancing platform scalability and capabilities, and collaborated with Microsoft to optimize Azure service utilization and implement best practices.
- Contributed to internal platform development by managing incident resolution, troubleshooting Aws/Azure-based services, and leveraging Azure tools for system optimization and performance improvement.

LoanTap Financial Technologies Pvt. Ltd.

DevOps Engineer | August 2023 – January 2024 | 6 Months

- Infrastructure Automation: Design, implement, and manage automated infrastructure provisioning, configuration, and cloud deployment processes using Terraform and Ansible on AWS/Azure including green field, cloud migration, hybrid and multi-cloud deployments using Kubernetes/OpenShift/VM.
- Continuous Integration/Continuous Deployment (CI/CD): Develop and maintain CI/CD pipelines to ensure reliable software delivery using AWS Pipeline/Azure Devops and Jenkins on Kubernetes using Helm charts and GitOps . Monitoring and Incident Management: Set up robust monitoring systems, respond to incidents, and troubleshoot issues to maintain high availability and performance using CloudWatch, ELK, Grafana, Prometheus and SES.
- Scalability and Reliability: Architect systems to handle growth and traffic spikes, ensuring the application remains reliable under varying conditions utilizing auto-scaling.
- Security and Compliance: Collaborate on security best practices, implement access controls, and ensure compliance with industry standards and regulations.

- Infrastructure Optimization: Identify bottlenecks and optimize application and infrastructure performance to enhance user experience as well as cost optimization using finops strategies.
- Backup and Disaster Recovery: Develop and test backup and recovery strategies to ensure data integrity and system availability for databases and applications.
- Collaboration: Work closely with development, testing, and operations teams to streamline processes and improve cross-functional collaboration in Agile environments.
- Experienced in improving mobile application reliability, tuning performance, and maintaining stable release pipelines for Android and iOS.
- Maintained end-to-end documentation of deployment architecture and CI/CD pipelines for auditability and continuous improvement.

Teleglobal International Pvt. Ltd.

Senior Cloud Engineer | December 2021 - August 2023 | 1 Year 8 Months

- Proficient in building high-availability, fault-tolerant AWS architectures using EC2, VPC, RDS, S3, IAM, EKS, ECS, Fargate and CloudWatch.
- Owned and improved internal CI/CD tooling used by multiple teams for software build, test, and release automation.
- Utilized infrastructure automation tools like Terraform, CloudFormation, and Ansible for consistent and reproducible deployments.
- Leveraged containerization technologies (e.g., Docker) Ecs and orchestration platforms EKS (e.g., Kubernetes, OpenShift) for scalable and resilient application management.
- Set up monitoring and logging solutions to ensure application performance and proactively detect issues.
- Collaborated with security teams to implement secure configurations and compliance measures.
- Managed multiple managed services clients as lead, and Conducted Technical Pre-Sales meetings with clients, proposing solutions.
- Provided cost forecasting across the cloud estate considering proposed/planned changes and new workloads, comparing Cloud costs across AWS, Azure, and GCP.
- Demonstrated detail and process-oriented approach, quickly analyzing novel issues in stressful Production environments.
- Provided guidance and knowledge to junior team members, ensuring the success of the whole team.
- Created estimates, project timelines, scope, ensuring overall customer success on both technical and managerial aspects.
- Led the conversation from monolithic to microservice architecture, supporting deployment in Kubernetes, including Dockerfile creation and Kubernetes cluster setup and monitoring.
- Migrated over 20 client projects from on-premises to Cloud during the Delivery Phase.
- Designed secure infrastructure with a focus on all security layers.
- Implemented multi-cloud solutions using services from different cloud providers for better solutions.
- Implemented industry-standard guidelines and recommendations for cloud infrastructure, ensuring security, scalability, and performance optimization.
- Implemented automation and monitoring tools to ensure efficient management of the cloud infrastructure, leading to reduction in infrastructure spend. Additionally, filed reports, gathered information, and performed research, resulting in an increase in organizational efficiency.
- Identified cost optimization opportunities and implemented strategies such as scheduling, rightsizing, reservations, savings plans, wastage removal, and technology upgrades.

Pawansut Publicity

Administrator | September 2018 - March 2020 | 1 Year 6 Month

- Design and deploy scalable and secure cloud infrastructure using AWS services.
- Manage and monitor cloud resources, ensuring proper configuration and optimization for performance and cost efficiency.
- Implement security measures, access controls, and encryption to protect data and prevent unauthorized access.
- Establish backup and disaster recovery strategies to ensure data integrity and business continuity.
- Optimize performance by monitoring resource utilization, identifying bottlenecks, and implementing scalability solutions.
- Control costs by monitoring resource usage, identifying cost-saving opportunities, and implementing cost-effective solutions.

EDUCATION

- **Master in Computer Application (CGPA 8.17)**
2020 - 2022 | Silicon Institute of Technology, BPUT, Bhubaneswar
- **Bachelor in Commerce - Accounting & Finance**
2015 - 2018 | Kendrapara Autonomous College, Utkal
- **Intermediate in Commerce**
2013 - 2015 | Kendrapara Autonomous College, CHSE
- **Matriculation**
2013 | St. Xavier's High School, CBSE, Jajpur Road

CERTIFICATION

- **Certified Kubernetes Administrator (CKA)** – CNCF – [View Credential](#)
- **AWS Certified Solutions Architect – Associate** – [View Credential](#)
- **Microsoft Certified Azure Administrator** – [View Credential](#)