

# Rajasekhar Reddy

Senior DevOps Engineer · Platform Engineer · CKA Certified

📍 Berlin, Germany 📞 +49 1797583050 ✉️ jrajasekhar.reddy2026@gmail.com

🌐 [linkedin.com/in/rajasekhar-reddy-rr](https://www.linkedin.com/in/rajasekhar-reddy-rr)

🌐 [rajasekharcloud.com](https://rajasekharcloud.com)



## PROFESSIONAL SUMMARY

Senior DevOps Engineer with 7+ years of experience architecting scalable, secure, and automated cloud infrastructure across AWS, Azure, GCP, and German sovereign clouds (STACKIT · IONOS). **Certified Kubernetes Administrator (CKA), AZ-104, and AWS Certified.** Specialized in GitOps, Terraform IaC, zero-trust security, and GDPR-compliant EU sovereign cloud infrastructure — delivering production-grade systems with up to 80% reduction in deployment time.

## CERTIFICATIONS

✦ <b>Certified Kubernetes Admin</b> CNCF · CKA	◇ <b>Azure Administrator</b> Microsoft · AZ-104	🌐 <b>AWS Certified</b> Amazon Web Services
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## WORK EXPERIENCE

### Senior DevOps Engineer | [ui!] Urban Software Institute GmbH · Berlin, DE Aug 2023 – Present

- ▶ Set up hybrid multi-cloud infrastructure spanning Azure, STACKIT, and IONOS — provisioning Kubernetes clusters, managed databases, and DNS fully via Terraform, enabling consistent, reproducible environments across German sovereign and public clouds.
- ▶ Implemented Apache APISIX as the primary API gateway across all environments, replacing traditional ingress controllers to centralize traffic routing, rate limiting, and plugin-based authentication for internal and external services.
- ▶ Built GitOps deployment pipelines using ArgoCD with cross-cloud secrets integration — pulling secrets from Azure Key Vault into STACKIT and IONOS Kubernetes clusters, enabling secure, automated delivery without storing credentials in Git.
- ▶ Automated TLS certificate issuance and renewal using cert-manager with Let's Encrypt across all clusters — eliminating manual certificate management with zero expiry incidents. Integrated OAuth2 Proxy with Keycloak for SSO and centralized identity management across multi-tenant environments.
- ▶ Migrated a live Elasticsearch to OpenSearch with zero-downtime with automated daily snapshots to Azure Blob Storage and Slack alerting — ensuring data integrity and instant failure notification with no impact to production services.
- ▶ Built full-stack observability platform using Prometheus, Grafana, Loki for metrics and logs, and instrumented microservices with OpenTelemetry and Jaeger for distributed tracing — reducing root cause identification from hours to minutes. Deployed OpenSearch as the production application search engine, enabling fast full-text search across application data.
- ▶ Implemented KubeCost for real-time cloud cost visibility across Kubernetes clusters, identifying and eliminating idle resources and oversized workloads. Extended platform with Node-RED for IoT workflow automation and Apache Superset for open-source BI dashboards — replacing expensive proprietary tooling.

### Senior DevOps Engineer | NTT DATA · India / Remote Aug 2022 – Aug 2023

- ▶ Automated build and deployment workflows using Jenkins and Maven with Terraform IaC across AWS, reducing manual operations by 85% and significantly improving deployment speed.
- ▶ Implemented Docker containerization, resulting in a 50% reduction in server usage and 30% infrastructure cost savings.
- ▶ Deployed and maintained monitoring solutions using Prometheus and Grafana on Amazon EKS for real-time visibility into system and application performance.

### DevOps Engineer | Lincode Labs · India Jul 2021 – Aug 2022

- ▶ Deployed and maintained monolithic and microservices Python/Django applications in cloud-native environments, ensuring high availability and consistent performance across staging and production.
- ▶ Configured and hardened Nginx web servers with SSL/TLS certificates, enabling HTTPS and securing API endpoints.

**DevOps Engineer | Unify Technologies · India** *Nov 2020 – Jul 2021*

- ▶ Designed CI/CD pipelines using GitHub Actions to automate build, test, and deployment workflows, accelerating release cycles across development teams.
- ▶ Partnered with engineering teams on scalable deployment strategies on Google Kubernetes Engine (GKE) using auto-scaling, rolling updates, and health checks to ensure zero-downtime deployments.

**Junior DevOps Engineer | Amtex Info Solution · India** *Jan 2019 – Sep 2020*

- ▶ Set up Jenkins on Linux (Master-Slave architecture) for continuous integration and development workflow automation.
- ▶ Created and managed Jenkins pipelines for automated build, test, and deployment processes across multiple projects.

**T E C H N I C A L   S K I L L S**

<b>Cloud Platforms</b>	AWS · Microsoft Azure · GCP · STACKIT (German Sovereign Cloud) · IONOS Cloud
<b>Containers &amp; Orch.</b>	Kubernetes · Docker · Helm · ArgoCD · Argo Workflows · AKS · EKS · GKE
<b>IaC &amp; Automation</b>	Terraform · Ansible · Packer · Shell Scripting · Python · FastAPI
<b>CI/CD &amp; GitOps</b>	Azure DevOps · Jenkins · GitHub Actions · GitLab CI · ArgoCD · Nexus · Maven
<b>Observability</b>	Grafana · Prometheus · Loki · OpenSearch · CloudWatch · Elasticsearch · Kibana · Kubecost · OpenTelemetry · Jaeger ·
<b>Security &amp; IAM</b>	Keycloak · OAuth2 Proxy · Azure Key Vault · Cert-Manager · Let's Encrypt · Zero-Trust
<b>Secrets Management</b>	Azure Key Vault · External Secrets Operator (ESO) · AWS Secrets Manager · IRSA
<b>API &amp; Messaging</b>	Apache APISIX · MQTT Broker · Node-RED
<b>Databases</b>	PostgreSQL · PostGIS · Azure SQL · Azure PostgreSQL · AWS RDS · OpenSearch
<b>Tools &amp; Collab.</b>	Jira · Confluence · Slack · Git · GitHub · Azure Repos · Zendesk
<b>Languages</b>	English (Professional) · German (A2)

**E D U C A T I O N**

**Bachelor of Science — Computer Science**

Sri Krishna Devaraya University

*Aug 2014 – May 2017*