**Krishna Rangineni**

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**Objective: To obtain position as Lead Devops & Cloud engineer/SRE/infrastructure/****Middleware architect**

**Professional Summary**

A result-oriented professional with **15+ years** of Experience and Expertise in **Infrastructure systems,** **Middleware Application Servers**, **DevOps/DevSecOps and Cloud**, **Observability tools (Prometheus, Grafana, Dynatrace, Splunk**), and Proven Capabilities in increasing organizational efficiency. Experienced in delivering applications with DevOps solutions using tools like **GitOps, GitHub, Jenkins, Maven, Docker, Kubernetes, EKS, Terraform, Bamboo, Argo CD, Ansible, and cloud services (AWS and Azure).**

**DevOps/SRE/ Middleware /AWS/Azure Snippets: (Career Abstract)**

* **Experience:** Over 15+ years in IT, 10+ years in Middleware, 7+ years as a DevOps/DevSecOps Engineer, 7+ years in Terraform/Docker/Kubernetes, 3+ years as Technical Product Owner,7+ years in AWS/Azure
* **Middleware:** Installation, configuration, deployment, tuning, and troubleshooting of IBM WebSphere Application Server, Oracle WebLogic, Apache Tomcat, IIS.
* **Version Control:** Expertise with Branching and Merging Strategies in GIT and Bitbucket.
* **CI/CD Pipelines:** Designed and implemented robust CI/CD pipelines using Jenkins, GitLab CI, and AWS Code Pipeline, reducing deployment time by 60% and increasing release frequency from monthly to weekly.
* **AWS:** Experience with AWS VPC, AWS Lambda, Step Functions, EBS, RDS, Dynamo DB, EC2, RDS, S3, IAM, CLI, Route53, ELB, SNS, SQS, Auto Scaling, CloudWatch.
* **Infrastructure Automation:** Tools like AWS CloudFormation, Terraform, and services like AWS Code Pipeline, AWS Code Build, and Deploy. Orchestrated containerized applications using Kubernetes and Docker, resulting in a 40% reduction in deployment time and 99.9% system uptime across cloud environment
* **Azure:** Administration of IaaS/PaaS services, including compute, blob, web, worker roles, network services, Azure DevOps, Azure SQL/Cosmos DB, storages, AD, monitoring, autoscaling, PowerShell automation, DNS, VPN, express routes, resource tags, groups, RBAC, log analytics.
* **Monitoring:** Setup and configuration of monitoring dashboards and alerts using Prometheus, Grafana, SiteScope, Splunk, Elasticsearch.
* **Support:** 24x7 on-call production support, troubleshooting critical systems, vendor support tickets, system/product logs analysis, config files, and coordinating with support groups.
* **Cert Management:** Annual cert upgrades and keystore management for middleware infrastructure.
* **Agile/Scrum:** Confluence for content creation, JIRA for issue management, ServiceNow for incidents and change processes integration with Jenkins.

### SKILLSET

* **DevOps Tools:** GIT/GITHUB, Jenkins, Docker, Terraform, Kubernetes, Mesos, GitOps Framework, Argo CD, Flux.
* **Monitoring Tools:** Splunk, Nagios, Prometheus, Autosys (job scheduling), New Relic.
* **Scripting Languages:** Bash, Shell, Groovy, Python, Golang, PowerShell.
* **Operating Systems:** Windows, Linux, CentOS, Ubuntu, Alpine Unix, RHEL, Mainframe.
* **Databases:** MySQL, Postgres, Redis, ORACLE.
* **Application Servers:** WebSphere Application Server 7, 8.5, 9, Tomcat, HTTP Server, WebLogic.

### EDUCATION & CERTIFICATIONS

* **Bachelor of Technology in Computer Science, 2006.**
* **IBM WebSphere Certified.**
* **AWS Certified Solutions Architect – Associate.**
* **Microsoft Certified Azure Developer (AZ-204).**
* **Certified Kubernetes Administrator (Certificate ID: LF-hcnce4ndy1).**

**Project Experiences**

**Role: DevOps/SRE/Infrastructure Engineer**

**Client:** **5/3RD Bank/ SLK America**   
**Location**: OHIO

**Duration:** Nov 2022 - Sep 2024   
**Reference:** Sampath.Padimarri@internal.53.com (Team Lead)

* Designed and implemented a robust CI/CD pipeline using Jenkins and GitHub actions on AWS Cloud, reducing deployment time by 60% and increasing release frequency from monthly to weekly. Containerized and deployed spring boot applications and java applications.
* Orchestrated containerized applications using Kubernetes and Docker, achieving 99.9% system uptime across cloud environments.
* Automated infrastructure provisioning with Terraform, reducing manual configuration errors by 80% and improving scalability of AWS resources. Migrated On prem Applications to AWS cloud.
* Implemented comprehensive monitoring and alerting using Prometheus and Grafana, Splunk, and enabling proactive issue resolution and reducing MTTR by 40%.
* Designed and implemented infrastructure as code using Terraform to automate cloud infrastructure provisioning and management
* Expertise in writing Terraform scripts from scratch for building development, staging, production, and disaster recovery environments
* Collaborate with DevOps teams to ensure infrastructure is highly available, scalable, and secure
* Developed and maintained Python scripts for automating routine tasks, increasing team productivity by 30%.
* Implemented and improved automation tools for monitoring, deployment, and issue resolution to enhance efficiency and reduce manual intervention as a part of SRE Team.
* Provisioned and managed core AWS services including EC2, VPC, S3, RDS, Lambda, and ECS using Terraform
* Implemented Terraform state management using S3 backend with DynamoDB locking in team collaboration
* Determining the launch of new features by using service-level agreements (SLAS) to define the required reliability of the system

through service-level indicators (SLI) and service level objectives (SLO)infrastructure Engineer

Role: DevOps/Infrastructure Engineer  
Client: Wells Fargo/ Synechron   
Location: Charlotte, VA

**Duration:** Aug 2019-Nov 2022   
**Reference:** Tom.Doefler@wellsfrago.com (Manager)

* Drove middleware product lifecycle management for retirement technology applications, focusing on patching, compliance, vulnerability remediation, end-of-life processes, transformation, and tech refresh projects.
* Designed and implemented CI/CD pipelines using Git, GitHub, SonarQube, Jenkins, and Bamboo, enhancing software delivery efficiency and quality.
* Containerized applications using Docker and orchestrated deployments with Kubernetes, improving application portability and scalability.
* Successfully migrated applications from on-premises to AWS Cloud using lift-and-shift strategy, ensuring minimal disruption to business operations.
* Utilized Infrastructure as Code (IAC) tools like Terraform and AWS CloudFormation to define and manage cloud infrastructure, including VPCs, subnets, security groups, and EC2 instances.
* Created POC and impact analysis before migrating applications to Azure, arriving at feasible solutions for given problem statements
* Implemented centralized logging solutions using ELK stack (Elasticsearch, Logstash, Kibana) and AWS CloudWatch Logs, enhancing system observability and troubleshooting capabilities.

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Role: Devops/Infrastructure admin  
Client: Anthem/UST Global  
Location: Charlotte, VA

Duration: Nov 2016-Aug 2018

* Installation, configuration, deployment, tuning and troubleshooting of WebLogic, WebSphere, and Apache Tomcat on Pega PRPC and Java Applications
* Implemented and Maintained CICD Pipelines and Optimize build times and pipeline performance to maintain quick feedback cycles
* Installed and configured Splunk and wily health monitor systems on different systems

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Role: Devops/Infrastructure admin  
Client: Royal Caribbean  
Location: Miami, FL

**Duration:** Oct 2012-Nov 2016   
**Reference:** Andy.Cancela@rccl.com (Team Lead)/ Amer.Uttamchandani@rccl.com (Manager)

* Installation, configuration, deployment, tuning and troubleshooting of IBM WebSphere Application Server V /8.x, Oracle WebLogic, WebSphere Portal Server, WebSphere Enterprise Service Bus, WebSphere MQ and Tomcat
* Involved in Capacity Planning, JVM tuning, Integration, Load balancing and Performance tuning, Vulnerability mitigation for various WebSphere/Apache/Tomcat Instances.
* Applying the patches and Maintenance Pack to the WebSphere servers. Testing and profiling to measure the performance of the applications. Involved as primary engineer for highly clustered and UNIX based applications.
* Worked on different projects for Royal and Celebrity Cruise lines as infrastructure support Engineer on premise & Amazon Web Services
* Supported applications deployed on Apache tomcat on AWS Cloud

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Role: Middleware / Build & Release admin  
Client: Pega  
Location: Hyderabad, India  
Duration: Jan 2011-July 2012

* **Duration:** Oct 2012-Nov 2016 Involved in 24/7 production support and Root Cause Analysis for WebSphere and WebLogic Application Server support including analyzing the thread dumps of servers, troubleshooting, finding Memory leaks, and monitoring the logs.
* Performed system administrator level duties such as adding/deleting users, regularly monitoring user level activity, checking system logs, monitoring system performance.

Role: Middleware admin  
Client: Allstate  
Location: Hyderabad, India  
Duration: Aug 2007-Mar 2010

* Monitoring and Incident Management Performance Optimization Bug Fixing and Troubleshooting Deployment and Release Management and Automation and Scripting Collaboration and Communication
* Working closely with developers, QA, DevOps, and other stakeholders to ensure smooth operation and support of production systems.
* Documentation: Maintaining documentation for systems, processes, and incident responses.