Bhargava Reddy Sane

Senior Cloud Devops Engineer

**PROFESSIONAL SUMMARY**

15+ years of experience in IT industry as Cloud and DevOps Engineer with good expertise in Application Lifecycle Management (ALM) and DevOps Tools, Cloud Computing, Windows, and Linux Server Administration.

* Proficient in a spectrum of DevOps tools like Azure DevOps(ADO), Ansible, Terraform, GITHub, Docker, Kubernetes, AWS, Azure, Splunk, and SonarQube.
* Extensive experience in implementing Continuous Integration (CI) and Continuous Delivery (CD) processes via Azure DevOps(ADO) and GitHub Actions.
* Experienced in utilizing Terraform to orchestrate and automate infrastructure deployments, leveraging its infrastructure-as-code (IaC) capabilities to streamline and standardize complex cloud environments.
* Proficient in designing, deploying, and managing cloud resources efficiently through Terraform's declarative configuration.
* Extensive expertise in Ansible for cloud provisioning, configuration management, and intra-service orchestration.
* Seasoned in Docker technology, proficient in creating and managing containerized environments, crafting Docker images, and orchestrating applications, optimizing efficiency and deployment processes within complex IT landscapes.
* Expertise in leveraging Kubernetes for automating deployment, scaling, and management of containerized applications.
* Proficient in deploying, managing, and optimizing applications on Amazon Elastic Kubernetes Service (EKS), ensuring scalability, reliability, and efficiency within Kubernetes-based environments.
* Adept in AWS Cloud services encompassing EC2, VPC, EBS, CloudWatch, Cloud Trail, IAM, S3, Route 53, and more.
* Proficient in employing Splunk for data collection from servers and the subsequent creation of reports and dashboards from the collected data.
* Expertise in the setup and administration of JFrog Artifactory, where I have optimized storage for artifacts and implemented industry best practices to enhance the efficiency of build and release workflows.
* Proficiency in branching, tagging, and version control across multiple environments utilizing SCM tools such as Azure Repositories and GitHub, operating on UNIX and Windows platforms.
* Demonstrated expertise in Shell/Bash scripting for automation and task simplification.
* Proficient in administering and automating operations across various platforms, including UNIX, Linux, Windows, and MAC.
* Experienced in leading and participating in Scrum teams, fostering an agile environment, and employing best practices to drive project success and meet evolving business needs.
* Experienced in handling production incidents and tasks through remedy and ServiceNow ticketing systems, ensuring swift issue resolution.
* Expert in comprehensive automation of operational processes while ensuring strict security compliance and precision.
* Experience in collaborating with diverse vendors and globally dispersed teams.

**TECHNICAL SKILLS**

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| Cloud Platforms | AWS, Azure |
| IaC Tools | Terraform |
| Configuration Management Tools | Ansible |
| CI /CD Tools | Azure Devops(ADO), GitHub, Jenkins |
| Containerization Tools | Docker, Kubernetes |
| Version Control Tools | GIT, Azure Repositories, GITHUB |
| Observability Tools | Splunk |
| Scripting Languages | Shell Scripting, PL/SQL, POWERSHELL, Python |
| Databases | MS SQL, Oracle |
| Operating Systems | UNIX, Linux, Windows, Solaris, CentOS, UBUNTU and RHEL. |
| Virtualization Platforms | VMware vSphere ESXi 5.x/4.X, ESX /3.x, Hyper-V |
| Ticketing Tools | ServiceNow, Remedy |
| Artifact Management Tools | Jfrog Antifactory |

**EDUCATION**

* Bachelors in computer science engineering from JNTU, India.

**Certifications / Professional Awards:**

* Certified in Data Center Virtualization (VCP6-DCV)

**PROFESSIONAL EXPERIENCE**

**Client:** British Petroleum

**Role:** Senior Cloud Devops Engineer

**Duration:** Apr 2011 to till date

**Location:** Houston, Texas

**Responsibilities:**

* Led a comprehensive infrastructure optimization project using Terraform, establishing automated provisioning and configuration of cloud resources. Implemented Infrastructure as Code (IaC) practices, significantly reducing deployment time and ensuring consistency while managing and scaling cloud infrastructure effectively.
* Containerized applications using Docker technology.
* Collaborated with cross-functional teams to implement security controls and compliance standards throughout the software development lifecycle.
* Developed Kubernetes YAML files to facilitate application deployment.
* Utilized Helm for packaging, version control, and templating of Kubernetes resources.
* Implemented CI/CD pipelines to automate application deployment to EKS clusters.
* Responsible for the design and maintenance of GIT repositories and the implementation of branch strategies.
* Designed, developed, and maintained Infrastructure as Code (IaC) solutions using Ansible for provisioning and managing AWS resources on Windows.
* Implemented security checks, such as automated vulnerability scans and code analysis, within CI/CD pipelines, ensuring that security measures were seamlessly integrated throughout the development lifecycle.
* Ensured that IaC code is version-controlled, well-documented, and adhered to best practices for readability, modularity, and reusability.
* Ensured that security best practices were followed in Ansible configurations and playbooks.
* Installed, configured, and maintained Ansible and Ansible Tower environments.
* Set up, configured, and maintained build servers in both AWS and Azure environments to support continuous integration and continuous deployment (CI/CD) pipelines.
* Implemented SonarQube for code quality analysis and checking.
* Developed and managed Splunk dashboards, reports, and alerts to monitor system performance, security events, and operational insights.
* Developed scripts using shell scripting and workflows to automate repetitive tasks, improving efficiency and reducing the risk of errors.
* Conducted regular maintenance tasks such as server updates, patching, and performance tuning.
* Collaborated with security teams to prioritize and address vulnerabilities, implementing patches, updates, and configuration changes as necessary.
* Established and managed virtual machines and templates, handling tasks like resource allocation, VMotion setup, and NTP configuration
* Implemented the migration of virtual machines using V-Motion technology for seamless relocation.
* Performed tasks such as creating snapshots and cloning virtual machines to facilitate backup and testing procedures.
* Installed and configured XenApp 6.5 farms, enabling virtualized application delivery
* Managed Windows 2003/2008R2 servers within the Citrix farm, ensuring operational efficiency.
* Installed, published, and managed applications within the Citrix XenApp 6.5 Farm, improving user accessibility.
* Applied Citrix rollup packs to enhance server performance and security
* Implemented NetIQ tools for comprehensive application and server monitoring
* Configured and established BMC BladeLogic tools for automating various operational tasks.
* Conducted disaster recovery tests to validate system availability and refine recovery procedures.

**Environment:** AWS, Ansible, Azure Devops(ADO), Kubernetes, Docker, Jenkins, Git, SonarQube, Jfrog Artifactory, Python/Shell/, Linux, windows Server 2019/2022, ServiceNow, Splunk.

**Client:** British Telecom

**Role:** Application Platform Support Engineer

**Duration:** Jan 2008 till Apr 2011

**Location:** Bangalore, India

**Responsibilities:**

* Assumed responsibility for the comprehensive management of both Production and Reference Environments, overseeing crucial components such as Cyclone, Weblogic, and Oracle Database. This encompassed ensuring their optimal performance and reliability.
* Spearheaded deployment initiatives within both the Production and Reference platforms, orchestrating the precise and efficient delivery of new features and updates, contributing significantly to the organization's competitive edge.
* Efficiently managed change requests within the production environment, meticulously coordinating transitions to guarantee minimal disruptions and smooth operations.
* Demonstrated expertise in the deployment and configuration of the Weblogic application server, facilitating the seamless deployment of Java and Web Applications.
* Fostered close collaboration with the helpdesk team to address routine P2 and P3 cases, ensuring prompt resolutions and upholding operational continuity, thus enhancing overall client satisfaction.
* Held the key responsibility for the administration and maintenance of Linux servers in production environments, including the installation of packages/patches on Linux platforms. Implemented robust Backup & Disaster recovery strategies, further ensuring system resilience and data integrity on Linux platforms.
* Pioneered the management of interactions with 345 trading partners, including prominent entities like AOL and Tiscali. This multifaceted role involved the handling of daily queries and the swift resolution of arising issues, reinforcing our relationships, and maintaining high standards of service.
* Diligently monitored various vital parameters, including CPU, memory, physical disk, Hardware, and Software RAID, multipath, file systems, and network using advanced monitoring tools, ensuring proactive maintenance, and troubleshooting.
* Exhibited proficiency in scriptwriting for task automation, thoroughly documenting environmental changes, scrutinizing error logs, analyzing user logs, and evaluating the /var/log/messages, thus enhancing system stability and efficiency.

**Environment:** Weblogic Server 8.1, Axway Cyclone(now Axway B2B Integration), ZXTM load balancer, Linux, BMC Remedy, Python/Shell/, windows Servers.