**PROFESSIONAL SUMMARY**

* A certified IT professional with 9+ years of DevOps Engineer experience, over all 14 years of experience in Software profession with major focus on AWS, Azure, DevOps, Cloud Services, software Configuration.
* Deployed server-less applications using **AWS Lambda, API Gateway, DynamoDB, and S3**, reducing infrastructure overhead and scaling seamlessly based on demand, resulting in a 40% reduction in operational costs.
* Developed reusable **Terraform** modules for **multi-cloud** environments, ensuring consistency and scalability across AWS and Azure.
* Creating the automated build and deployment process for application and leading up to building a continuous integration system for all our products using Jenkins. Experience in design micro services deployment using **Docker and Kubernetes**. Proficiently deployed and managed Docker containers.
* Experience in CI/CD tools like Azure DevOps, **Git, Jenkins,** and Sonar code scan validations with **SonarQube**.
* Created alarms and trigger points in **AWS Cloud-watch** based on thresholds and monitored the server's performance, CPU Utilization, disk usage.
* Implemented GitOps workflows with **ArgoCD**, allowing for automated synchronization and rollback of Kubernetes configurations directly from Git repositories, improving operational efficiency.
* Experienced in AWS Security tools such as **CloudTrail, AWS Inspector, Grafana, AWS Guard Duty**
* Continuous monitoring by creating rules and alerts using Datadog Http Check Monitoring. Configured and maintained Dynatrace dashboards to provide real-time insights into application and infrastructure health.
* Wrote customized Prometheus queries to retrieve data. Made changes to Prometheus collectors and filters, ensuring all relevant data are passed into **Grafana**.
* Collaborated with development teams to improve application performance and reliability through performance tuning, load testing, and code optimization.
* Define release scope, objectives, and success criteria, Ensure alignment with business goals and timelines. Assess risks associated with each release. Implement rollback and recovery plans in case of failures. **Coordinate with stakeholders** to manage expectations. Lead release retrospectives to identify areas for improvement.Lead often oversees high-severity incidents, ensuring quick resolution and postmortem analysis to prevent future occurrences collaborates closely with other departments, such as development, security, and product management.
* Worked on SRE concepts such as **SLO, SLI, SLA’s.**
* Experience with OS up gradation of Windows and Linux Servers.
* Resourceful in bug tracking using **JIRA** and analyzing test results and preparing release notes.

**WORK HISTORY**

**Texas Capital Bank, Richardson,Texas May 2024 – Current SRE/DevOps Engineer**

* Designed and implemented **CI/CD pipelines** using **Jenkins and AWS CodePipeline**, integrating with **AWS CodeDeploy** for automated application deployments, reducing deployment times by 50% and ensuring consistent rollouts across multiple environments
* Developed and executed **canary and blue/green deployment** strategies on AWS to enhance application availability and reliability, allowing gradual releases and quick rollbacks in case of issues.
* Utilized **Terraform for infrastructure as code (IaC)**, automating the provisioning and configuration of AWS resources, including **EC2 instances, S3 buckets, and RDS** databases, ensuring consistent and repeatable deployments across development, staging, and production environments.
* Monitored application performance and system health using **AWS CloudWatch**, creating custom metrics and dashboards, and setting up alarms for proactive issue detection and resolution, thereby improving system reliability and uptime. Centralized monitoring and logging for the systems that are running on cloud and on-premises, using tools such as New Relic / Splunk.
* Streamlined **Docker container management** using **Amazon ECS**, implementing **ECS clusters** and task definitions to manage containerized applications, ensuring efficient and scalable container orchestration.
* Implemented network traffic management using **AWS Route 53 for DNS services**, configuring routing policies, health checks, and failover strategies to improve application performance and ensure high availability.
* Created Datadog dashboards for various applications and monitored real-time and historical metrics.
* I used metrics availability, latency(SLI’s), boarding tools leveraging Python and Jenkins allowing for easy creation and maintenance of build jobs and Kubernetes deploy and services.
* Designed and implemented CI/CD pipelines using **GitHub Actions,** automating build, test, and deployment workflows to streamline development processes and accelerate release cycles.
* Worked on SRE concepts such as **SLO, SLI, SLA’s.** Define metrics like availability, latency(SLI’s), performance, efficiency, change management, monitoring, emergency response, and capacity planning. Reducing Mean Time to Recover **(MTTR)** through proactive monitoring.
* Monitored batch jobs application performance, efficiency, change management, emergency response, and capacity planning. Reducing Mean Time to Recover **(MTTR)** through proactive Network Monitoring for Application Performance/Latency log check. Collaborate with cross-functional teams to implement long term fixes and improvements.
* Workflow execution and integration with **ServiceNow.** Conduct Root cause analyses that pinpoint **underlying** defects and roll out preventive measures to avoid similar events in future. Prepare KB’s.
* Configured alerts in **Grafana** and **Prometheus**  to notify **stakeholders** of critical events or threshold breaches, enabling proactive incident management. Integrated alerts with notification channels Slack, email, **Pager-duty** for immediate awareness and response. Implemented automation scripts which led to a 60% reduction in human error.

 **Avanir Pharmaceuticals California. Oct 2023 – May 2024**

 **Senior DevOps Engineer**

* Implemented Azure Hybrid integration to integrate the applications, data and processes using API's. Worked with Azure AD, Azure Blob Storage and Data Factory to compose data storage, movement, and processing micro-services into automated data pipelines and have used Azure compute services and Azure Web apps.
* Configured and deployed Azure Automation Scripts for a multiple of applications utilizing the Azure stack services including Compute, Web and Mobile, Blobs, ADF, Resource Groups, Azure Data Lake, HD Insight Clusters, ARM focusing on automation, created quality gates in SonarQube dashboard and enforced in the pipelines to fail the builds when conditions not met.
* Deployed Azure IaaS virtual machines (VMs) and Cloud services (PaaS) into secure VNets and subnets, creating pipelines for deploying code from **GitHub to Kubernetes** cluster in the form of Docker containers using Jenkins.
* Implement Master-Slave concept in Jenkins. Automate the builds and deployment of projects using Jenkins.
* Create, manage, and optimize Docker images for applications. Use **Docker files** to automate image **builds** and ensure consistency.
* Involved code review and then used SonarQube to validate the violation, as well as creating relevant quality gates in the **SonarQube** dashboard and enforcing them in the pipelines to fail builds when criteria were not fulfilled
* Worked with **Terraform** key features such as Infrastructure as code, Execution plans, Resource Graphs, Change Automation and Implemented Terraform modules for deployment of applications across Azure
* Secure sensitive data by integrating **AKS** with Azure Key Vault for secret management.
* Used Ansible Tower as Configuration management tool, to automate repetitive tasks, quickly deploys critical applications, and proactively manages change.
* Experience with Ansible Tower to manage **Multiple Nodes** and Manage Inventory for different Environments.
* Develop internal platform for application monitoring, **Datadog dashboards, Dynatrace** ,Alert manager for observability.
* Utilize Dynatrace’s AI-powered root cause analysis(RCA) to detect and resolve issues quickly.

**Kyndryl Solutions, Hyderabad, India** **Sep 2021 – Sep 2023**

**DevOps Engineer**

* Developed advanced Bash scripts to automate infrastructure deployments using Puppet, enhancing system configuration consistency and reducing deployment errors by integrating JFrog Artifactory for binary management.
* Leveraged Python for deep automation of cloud resources, including container orchestration with **ECS**, and implemented auto-scaling with AWS Fargate, optimizing deployment workflows and reducing operational costs by 35%.
* Implemented robust AWS CLI strategies for dynamic resource management on AWS, leveraging RDS and DynamoDB for scalable and resilient database solutions, which enhanced data retrieval speeds and system performance significantly.
* Transitioned source code management from Bitbucket to GitLab, establishing robust CI/CD pipelines that enforce code quality checks and automate deployment processes, significantly reducing deployment times and human errors.
* Designed and deployed comprehensive monitoring solutions using **Grafana and Prometheus**, integrating AWS CloudWatch for enhanced observability across AWS services, leading to a proactive incident response strategy and a reduction in downtime by 20%
* Created scripts in python for taking auto backups of the db snapshots and saving them across different accounts and integrated the scripts with AWS lambda.
* Configured automated post-provisioning setups for AWS EC2 instances using Ansible, aligning them with enterprise database and security standards swiftly.
* Streamlined SSL certificate management across multiple environments using AWS Certificate Manager, integrating Puppet for automation of certificate deployment, enhancing security protocols and compliance with minimal manual intervention.
* Integrated **GitLab, Jenkins, SonarQube,** and Nexus Repository Manager to establish a comprehensive DevOps toolchain for Java Spring MVC applications. Orchestrated automated workflows for code management, continuous integration, static code analysis, and artifact management.
* Created Incident management process and worked with various teams during resolution of P1/P2 incidents.
* Working across multiple teams and organizational units to outline and implement the company’s cloud adoption strategy based on the Cloud Center of Excellence. Collaborating with SRE, Security, Infrastructure, and development teams to deliver robust and highly available applications.
* Provide technical guidance and mentor ship to team members, helping them to resolve complex issues, Assign tasks according to team members’ skills, availability, and project priorities.

**IBM India Pvt Ltd June 2015 – Aug 2021**

**Cloud Infrastructure Engineer**

* Designed and implemented **highly available, scalable, and cost-optimized AWS architectures** using **EC2, S3, RDS, VPC, Lambda, and Auto Scaling**.
* Created Jenkins jobs and distributing load on Jenkins server by configuring Jenkins’s nodes, which will enable parallel builds and performed automation of CI/CD pipeline in private AWS cloud using **Jenkins shared** libraries and multi branch pipeline and automated the static code analysis through SonarQube in Jenkins pipeline for checking code quality.
* Provided end-user support, performed baseline **build, merges**, software release management, and other **SCM** activities.
* Decommissioned the servers/service groups which: removal of DNS, take full ad-hoc backup file systems, removal from backups, removal of patrol monitoring, removal from AD.
* Proficiently deployed and managed **Docker containers**, utilizing Docker Compose for orchestrating multi-container applications and implementing zero downtime deployments with rolling updates.
* Developed **monitoring and logging** solutions using **AWS CloudWatch,Prometheus, and ELK Stack** to ensure system reliability and fast incident resolution.
* Monitor the team ticket queue and respond to Incident and Service Request tickets within service level agreement specific time frame. Performance tuning and troubleshooting of the applications and resolution of issues arising out of the ticketing systems in Remedy.

**HCL Technologies, India Jan 2012 – May 2015**

**Senior SAP BASIS Administrator**

Client Administration including new client creation, client copies, client deletion, and Logical naming of clients (i.e.,assigning client to a logical system).

* servers in customer-based server landscapes. Configured and provided issue-based resolutions to the Transport Management System (TMS), Had experience in installing
* Strong expertise working with HANA Database Cloud, Data Warehouse on S/4HANA, Administration, Performance Tuning, Memory Management.
* Worked closely with stakeholders, participate in design discussions, provide status updates during scrum calls, and collaborate with team members to drive solutions.

**Terronas Software solutions Pvt. Ltd. Sep2009–Dec2011**
**Associate Sap Basis Consultant**

* The resume has been truncated for brevity; additional work experience will be provided upon need.
* the new Addon’s either using stack file nor manual addon’s using SAINT.CIRATS based risk analysis for every quarterly.
* Configuring and monitoring RFC Connections and system profiles and experienced in SLA based support for the application

**TECHNICAL SKILLS**

|  |  |
| --- | --- |
| SCM tools | GIT, GitHub, Azure repos, AWS CodeCommit |
| CI/CD Tools | Maven, Jenkins, ANT, Azure DevOps, Agro CD |
| Container Tools | Docker, Kubernetes, Azure Kubernetes services (AKS), EKS |
| Cloud Platforms | Microsoft Azure, AWS |
| IAC Tools | Terraform, Azure resource manager templates (ARM), Cloud Formation |
| Operating System | Windows and Red Hat Linux |
| Bug Tracking Tool | JIRA Static |
| Code analysis | SonarQube |
| Monitoring | Datadog monitoring, Azure monitors, Cloud watch, Prometheus & Grafana |

**EDUCATION QUALIFICATIONS**

* Master of Computer Applications (MCA), Osmania University, Hyderabad, India, 2011
* B.Com (Computer Applications) 2005 from Kakatiya University