**Sr DevOps Lead** **Engineer** at Cisco Systems Inc with overall **IT Experience**, **15+ years:**

* Proficient in DevOps strategy development and Infrastructure as code (IaC) framework, automate CICD process and troubleshooting environments.
* Define/identify KPIs of DevOps/CICD automation and implementation process.
* Successfully lead and accomplished different verticals of DevOps activities
* Extensive experience in Build/Release and DevOps Engineering in process, automating, building, deploying and releasing.
* Hands on experience in web applications, client/server applications in virtualization and cloud environments, application migration from on-premises to clouds infrastructure. Experience with multiple Cloud computing environments including PaaS, IaaS
* Design and development of Infrastructure as a Code (IaC) using terraform and ansible and implemented in AWS and Microsoft Azure, Extensive experience in Microsoft Azure, AWS, GCP, Jenkins, python, webservices, salesforce (SFDC), container orchestration using docker/Kubernetes
* Hans on experience in design and development of continuous integration and continuous delivery (CICD) for the cloud applications and on-prem applications.
* Successfully lead and accomplished different verticals of DevOps like process, automating, building, deploying, releasing, monitoring and maintaining.
* Hands on experience in primary AWS services like EC2, ELB, RDS, Route53, S3 and Elastic Beanstalk, Lambda, autoscaling, CloudFormation etc.
* Hands on experience in Microsoft Azure services like VMs, LB, RDS, DNS, Blog Storage, App Service, Functions, VM scale sets, Azure resource manager (ARM) etc.
* Performance monitoring using AppDynamics, NewRelic and Graphite. Nagios integrated with different components.

Monitor and analyze system/application performance and identify KPI for system optimization and improvement in the infrastructure/applications.

* Experienced at both offshore & onsite (USA & UK) locations.
* Max team size handled 20+. Technical & strategic management, direction & guidance, performance management & goal setting/career development. Task & resource management.
* Active participant in establishment of DevOps Centre of Excellence (CoE)

* **Technical Skills**

|  |  |
| --- | --- |
| Cloud computing environment | Azure DevOps, AWS, GCP, Aviatrix multi cloud networking |
| Scripting | Linux/Unix bash shell, Windows PowerShell  |
| Continuous Integration and Build Management | Azure DevOps, Jenkins, Maven and Ant |
| Source code management | Git/GitHub, SVN and Perforce |
| Configuration Management & IaC | Terraform, Ansible, Chef and Puppet |
| container orchestration  | docker/Kubernetes |
| Virtualization | VMWare, Oracle Virtual Box |
| Cloud Services | Microsoft Azure, AWS, Cisco Nimbus |
| Database and Directory Services | MySQL, MSSQL Server, Oracle and OpenLDAP |
| Monitoring and Log Management | Nagios, NewRelic, Introscope, Graphite and AppDynamics |
| Application/Web Servers | Tomcat, JBoss, Jetty, Weblogic and Websphere |
| Programming | Groovy, Java, Ruby, Python, Perl and Java Script and VB Script. |
| Operating Systems | Windows, MacOS, Linux and Unix |

* **Awards / Achievements**
* High Five Impact Award from Fidelity Investments
* Technical excellence appreciation in Salesforce and Gilead sciences Inc
* Two times “Technical Excellence Platinum” award from Cisco Systems Inc
* Four times "Team of the Quarter" award, Going Above Award from CA Technologies
* Three key performer - THRIVE Spotlight (Technical Excellence) awards from Verisign Inc.
* Technical excellence award (Gold Coin) and best team award from LogicaCMG
* **Certifications**
* Red Hat Certified System Administrator (RHCSA)
* Microsoft Certified Azure Cloud Fundamentals
* Microsoft Certified IT Professional: Database Administrator 2008
* Microsoft Certified Technology Specialist in Microsoft SQL Server 2008, Implementation and Maintenance
* AWS Solutions Architect
* Cisco Certified Network Associate
* VMware Certified Professional 5 - Data Center Virtualization
* HP Application Lifecycle Management ALM 11.x
* HP Load Testing LoadRunner 11.x
* **Education**

 Bachelor of Engineering in Electronics and Communication from Bangalore University, Bangalore, India.

* **Projects & Work Experience**

**Cisco Systems Inc, San Jose, CA** *Aug 2023 to till date*

***NextGen Forecasting –Sr DevOps Lead / CICD/ Cloud infrastructure***

* Software development lifecycle using AzureDevOps
* Design and Development of deployment pipelines and release pipelines for Continuous Integration/Continuous Delivery (CI/CD) of cisco NextGen Forecasting release cycles of Dev, QA and Production environments.
* Centralize the source code management using GitHub and administer. version control, and release
* Management of AWS EC2 instances and S3 storage
* Design and development of IaC using terraform and automating native cloud services aws and Azure cloud.
* Monitoring application and reporting using Splunk and Grafana
* Develop automation using Java programming and Python scripting languages
* Design and develop docker images and setup AKS cluster service and manage/monitor microservices workloads.
* Performance monitoring of the applications using new relic / AppDynamics and report key performance metrics
* Source code management in rally/TeamCity
* L2 production support during prod deployment and testing the application thrownness.

**Fidelity Inc, NC** *Jan 2021 to Aug 2023*

***Digital Accounts Management –* Sr DevOps engineer**

* Design and develop the automation architecture for Continuous Integration/Continuous Delivery (CI/CD) configuration management in Jenkins for the Fidelity Digital Accounts Management product.
* Design and development of DevOps CICD workflow, pipelines and deployment groups in Microsoft Azure/AWS cloud environment. Developed and implemented build and release CICD strategy using Azure DevOps/Jenkins.
* Centralize the source code management using GitHub and administer. version control, and release management of the IaC and application.
* Design and develop docker image, test and publish local docker repository, create the Kubernetes container infrastructure platform to enhance delivery systems with continuous integration, improved the monitoring and alert system.
* Hands on experience in Google Cloud's native API management platform APIGEE, designing auto-scaling system for Kubernetes Nodes, Setup Kubernetes cluster to support APIGEE integrated environment.
* Collaborated with development teams to design and implement continuous deployment pipelines for microservices using Kubernetes and resulted 75% reduction in deployment times. Developing, testing, debugging and troubleshooting of containerized infrastructure, using Kubernetes.
* Executed SVN to GitHub migration implementation strategy.
* Implemented end to end development lifecycle strategy, centralized source code management and projects administration in GitHub. GitHub repo branch protection, status checks configuration and integrated with AzureDevOps pipelines for auto deployment, administer the azure DevOps
* Participated production implementation/deployment for the Managed Accounts application.
* Source code management in GitHub, status checks configuration and administration in GitHub.
* Participate in the application deployment and application test automation lifecycle.

**Gilead Sciences Inc, Foster City, CA** *Oct 2019 to Dec 2020*

***GVault Project – DevOps Architect***

* Defined, finalized and implemented release strategy for GVault application and maintaining different environments like Dev, QA, UAT and Prod for various releases.
* Participate and conduct scrum meetings, retrospective meetings, estimations and escalations to the next level.
* Design and development of DevOps CICD workflow, build releases, pipelines and deployment groups in Microsoft Azure cloud environment
* Design and develop the automation architecture for Continuous Integration/Continuous Delivery (CI/CD) configuration management and worked on Infrastructure as a Code, terraform, ansible.
* Designed and developed UI automation framework for GVault web application as part of deployment verification using java/python, page object model.
* Managed REST APIs hosted across clouds and on-premises for unified management across all internal and external APIs and documentation. API Management (APIM) in apigee and Azure. Azure Developer portal is used to discover, learn, and onboard to use the APIs.
* Azure DevOps build and release strategy
* SVN to GitHub migration
* Integrate UGR report python scripts with azure DevOps automation and publish report in SharePoint/FTP Share, designed and developed PowerShell scripts to automate and integrate with pipelines
* Implemented end to end development lifecycle strategy, centralized source code management and projects administration in GitHub. GitHub repo branch protection, status checks configuration and integrate with AzureDevOps pipelines for auto deployment
* Integrate Azure DevOps with Azure Boards and GitHub repo pull requests
* Initiated the migration of CIBP app to AWS cloud Beanstalk / Azure cloud App Service POC
* Participated in Zerto DR & Backup strategy and production implementation discussions.
* Participated in load testing discussions for GVault CIBB using Jenkins cloud (BlazeMeter) for distributed load testing across multiple geographical environments.
* Participated Strategic and technical discussions
* Performed end to end testing of CICD pipelines and deployment verification tests to promote GVault project release cycles.
* Debug deployment failures and automation failures in private and public cloud environments and on premises environment target servers.
* Developed windows PowerShell scripts and Linux shell scripts for utility tasks automation during development of verification tests automation and DevOps/CICD automation as part of infrastructure as code (IAC).
* Managing CI/CD pipelines and releases in Microsoft Azure DevOps. GVault application environment setup, configuration management, automate software provisioning, configuration management and application deployment.
* provisioning, configuration management, and application deployment.
* Hands on experience in Azure Site Recovery for web applications disaster recovery (DR) and high availability (HA). The web applications that use App Service and Azure SQL Database, the App Service plan configured in the secondary region, to auto-scale when a failover occurs. Developed dockerfiles for micro services and build image file from it and run it as a Dcoker container, and container orchestration using Kubernetes.
* Configured Kubernetes with the CICD pipelines to build, deploy and test as part of the build and release cycle.
* Docker container clusters managed by Kubrtnetes, Automated provisioning, upgrading, monitoring and scaling with the fully managed Microsoft Azure Kubernetes Service (AKS).
* Kubernetes command-line tool, kubectl, is used to deploy applications, inspect and manage cluster resources, and view logs.
* Participated Zerto production implementation/deployment for disaster recovery & backup for GVault application.
* Source code management in GitHub, branch protection rules and status checks configuration and administration.
* Participate in the application deployment and release lifecycle and technical training.

**FirstTech Federal Credit Union, San Jose, CA** *Feb 2019 to Oct 2019 &**May 2016 to Dec 2016*

***Online Banking web/Mobile, Digital Channels – DevOps Lead***

* Design and develop infrastructure as a code automation framework for CICD, the framework is based on AWS APIs, Jenkins pipeline, ansible, python, UNIX for the application deployed in salesforce platform.
* Tasks created for the Jenkins pipeline and the shared libraries developed for the tasks of the jobs
* Create docker files and manage docker containers, container orchestration with Kubernetes. Microservices management and deployment in cloud environment. Blue/Green or A/B deployments for zero downtime.
* Building monitors & alerts in a highly clustered cloud computing environment using Jenkins, Nagios & AWS etc.
* Hands-on experience with AWS (CloudFormation, EC2, Lambda, S3, RDS, VPC, Route 53, CloudWatch, CloudTrail, IAM, etc.)
* Task & resource management. Technical & strategic management, direction & guidance, performance management & goal setting/career development. Task & resource management. Team building and trainings.

**Salesforce, San Francisco, CA**

**CSaaS MuleSoft Integration – DevOps Architect** *Aug 2018 to Feb 2019*

* Participate / conduct scrum meeting and retrospective meetings and sprint planning meetings
Proactively interact with the product owner and business analyst to resolve the feature specific clarifications and roadblocks
* Source code management and administration of github and antifactory management in Nexus.
* Design and Develop continuous integration and continuous delivery (CI/CD) for the cloud based MuleSoft application integration i.e., CSaaS platform.
* Design and develop infrastructure as code automation framework for CICD using terraform and ansible, python for AnyPoint CloudHub platform.
* Executed build and release end to end tests for Mule soft integration project in Jenkins environment
* Develop groovy libraries for Jenkins tasks to automate build and deployment process.
* Used AWS Route 53 for configuring the High-Availability and Disaster recovery to make the environment up and running in case of any unexpected disaster.
* Provisioning AWS environments using Ansible Playbooks and deployed micro services. Manage AWS EC2/S3 service with command line tool (CLI) and automate with python scripts.
* Design and automate mule app REST API workflow using Java and write Ruby wrapper scripts for mule APIs
* Integrate AnyPoint CloudHub REST API with CICD pipeline and using Shell scripts/ruby/python to automate build tasks in virtualization environment
* Build docker images using Docker file and hosted web servers on Docker containers.
* Streamlining the build and release automation and proactively communicating the release/build specific issues and resolving the release roadblocks
* Identify design flaws in the existing automation framework and help Salesforce to improve the code readability, reusability and maintainability.

**Cisco Systems Inc, San Jose, CA** *Dec 2016 to Aug 2018*

**Cisco Systems Inc, Bangalore, India** *Mar 2013 to May 2016*

***Collaborative Knowledge – DevOps Architect***

* Participate and conduct scrum meetings, retrospective meetings, estimations and escalations to the next level.
* GitHub administration and source code management. Design and develop the automation architecture for Continuous Integration/Continuous Delivery (CI/CD) configuration management Jenkins, chef, ansible, shell scripts, docker etc.
* Developed of shell scripts for utility tasks for Unix/Linux and PowerShell for Windows systems during functional/regression testing and performance/load testing. Managing CI/CD with Jenkins and DevOps activities of application environment setup and configuration management and automate software provisioning, configuration management, and application deployment. Executed end to end tests in Jenkins environment for the Cisco collaborative knowledge build and release cycles.
* Managing CI/CD with Jenkins and DevOps activities of application environment setup and configuration management and automate software provisioning, configuration management, and application deployment.
* Configured and monitored Kafka queue, analyzed and debug Kafka logos.
* Managing and troubleshooting virtualization environment, participated in setting up development environment and test environments for software development, test automation, performance testing and automate using chef/ansible and shell scripting. Hands on experience on the cloud platforms like AWS and Nimbus for integration platforms
* Designed and developed automated deployment and scaling processes based on Vagrant and Chef/ansible for a wide range of server types and application tiers, including elastic search and AWS.
* Manage AWS Route 53 service with command line tool (CLI) and automate with python scripts.
* Wrote custom monitoring and integrated monitoring methods into deployment processes to develop self-healing solutions.
* Proactively identified challenges, contingency/mitigation plans and communicated to Release Management regarding DevOps roadblocks, challenges, during different releases.
* Mentoring team and developed technical expertise within team by conducting periodic KT sessions and tech talk sessions
* Setup and configure and manage NoSQL servers MongoDB
* Worked on AWS CloudFormation and build AWS infrastructure, managing instances of AWS cloud infrastructure and troubleshooting infrastructure
* Debug critical issues in the Java based enterprise applications and support the production environment deployment for the releases, Monitor the infrastructure servers using Nagios checks.
* Task & resource management. Technical & strategic management, direction & guidance, performance management & goal setting/career development. Task & resource management. Team building and trainings.

**Host Analytics, Hyderabad, India** *Jul 2012 to Dec 2012*

**HACPM – DevOps Manager**

* Participated in scrum meeting, schedule planning and estimations
* Initiated DevOps Centre of Excellence (DevOps CoE) for HACPM build and release process
* Streamlined the tools and technologies for CICD
* Automated build and release in virtualization and Microsoft Azure cloud environments
* Established security testing model and identified different tools to implement security testing (XSS)
* Source code management in Perforce
* Defined DoD (Definition of Done) for CICD lifecycle.
* Task & resource management. Technical & strategic management, direction & guidance, performance management & goal setting/career development. Task & resource management. Team building and trainings.

**CA Technologies, Hyderabad, India** *Nov 2007 to Jul 2012*

***APM Wily Introscope – DevOps Lead***

* Designed and developed automation of all manual tasks using ansible for the build and deployment of both code and data in order to enable continuous integration and continuous deployment using Jenkins.
* Setup and administer the VMware virtualization environment for deployment and test environments.
* Proactively identified risks/challenges, contingency/mitigation plans and communicated to Product Management and Release Management regarding DevOps roadblocks, challenges, during the course of releases.
* Mentored team and developed technical expertise within team by conducting periodic KT sessions and Tech Talk Sessions
* Setup and administer the different 3rd party software like Weblogic Server (including SOA), Websphere Server (including SOA), Weblogic Portal, Websphere Portal, Apache tomcat server, TIBCO, Webmethods, SiteMinder, IBM HTTP Server, SOAP UI etc. Deployed test applications.
* Reviewed bugs submitted by team for the validity and correctness, generated and analyzed product backlog and bug reports. Generated trend graphs.
* Managed and administered VMWare images in the data center for the APM Wily Introscope product.
* Verification of the SaaS version of the product. Managed and executed zero-downtime production phrases.
* Owned the testing of FC SAN Storage system for ESX Project and verification of RAID Configurations
* Technical & strategic management, direction & guidance, performance management & goal setting/career development. Task & resource management.

**Verisign, Bangalore, India.** *Apr 2006 to Sep 2007*

**Retail SSL *– DevOps Lead***

* Technical management, mentoring and coordinating with DevOps team
* Responsible for MMR Retail SSL Products administration and environment setup
* Managed continuous integration and continuous deployment in Jenkins.
* Provided support to deploy Cloud servers in engineering and IT organizations.
* Developed cloud environments to optimize performance in diverse engineering organizations.
* Managed and executed zero-downtime production phrases.
* Diagnosed, resolved and validated application monitoring solutions for cloud deployments.
* Maintained production applications and managed SOAs and metrics performance.
* Handled cloud administration tools and management frameworks.
* Collaborated with Sys Admin and DBAs to identify deployed issues for component-based applications.
* Coordinated with on-site and off-site teams throughout the application development lifecycle. Co-ordinating with stake holders for the various inputs in bug fixing and tuning the application and test environments (UNIX/Windows/Solaris).
* Task & resource management. Technical & strategic management, direction & guidance, performance management & goal setting/career development. Task & resource management. Team building and trainings.

**LogicaCMG, Bangalore, India** *Apr 2004 to Apr 2006*

***Data/Voice services - DevOps Lead***

* Successfully setup the integration environment/test bed for QA and Dev.
* Debug application environment configuration issues and fixed the environment related errors
* Used Shell Scripting for Linux and PowerShell for DevOps in Windows-based systems.
* Developed automation jobs in java programming for Jenkins
* Focused on automation integration monitoring and configuration management.
* Streamlined applications delivery to get applications out to customers faster.
* Utilized SQL database systems.
* Completed load balancing and proxying of systems servers and components.
* Supported HA services and administrated MySQL, and Node.js.
* Developed and managed delivery pipeline and prioritized functioning period and quick server response time.
* Provided assistance to engineers on performance tuning for critical areas.
* Optimized server performance, accuracy, failover and scale.
* Collaborated with development team to troubleshot and resolve issues.
* Implemented and managed framework for evaluating application performance.
* Provided support to conduct system testing and integrated more servers to the infrastructure.
* Co-ordinated team and tech leads for the various technical inputs and challenges.
* Verification of storage system comprises of FC SAN configured with RAID
* Performance verification of different RAID Levels and verification of application data from tape devices
* Task & resource management. Technical & strategic management, direction & guidance, performance management & goal setting/career development. Task & resource management. Team building and trainings.

**Mahindra British Telecom, Pune, India** *Jan 2004 to Apr 2004*

***EAI Hub – Software Design Engineer***

* Used Shell Scripting for Linux and PowerShell for DevOps in Windows-based systems.
* Developed automation jobs in Groovy programming for Jenkins
* Focused on automation integration monitoring and configuration management.
* Streamlined applications delivery to get applications out to customers faster.
* Utilized SQL database systems.
* Completed load balancing and proxying of systems servers and components.
* Supported HA services and administrated MySQL, and Node.js.
* Developed and managed delivery pipeline and prioritized functioning period and quick server response time.
* Provided assistance to engineers on performance tuning for critical areas.
* Optimized server performance, accuracy, failover and scale.
* Collaborated with development team to troubleshot and resolve issues.
* Implemented and managed framework for evaluating application performance.
* Provided support to conduct system testing and integrated more servers to the infrastructure.