

Synopsis: Overall 14 years of experience in Software Engineering and 7 years in DevOps/Cloud technologies within IT Infrastructure & configuration management, release orchestration, build & deployment integration, automation implementation, support & maintenance of large-scale distributed mission critical systems.

EXPERIENCE SUMMARY

- Lead the technical teams that supports the following disciplines: DevOps, and configuration management, release management, technical cutover, environments management and infrastructure automation.
- Architect a project CI/CD Pipeline; the set of technical and business assurance activities that support the transition of application and infrastructure services from development through to production.
- Create high-level DevOps architecture design documents and outline software solutions and their deployment with other stakeholders.
- Experienced with principles and best practices of Software Configuration Management (SCM) in Agile, Scrum and Waterfall methodologies.
- Experience on DevOps essential tools & technologies, administration & maintenance of Source control management.
- Create technical documents that provide insight into the design and implementation of DevOps solution provides teams with the ability to effectively communicate their needs and requirements across the organization.
- Lead and co-ordinate the Go-Live activities including the execution of the deployment plans and checklists.
- Works on best practices of completing tasks and finding solutions using existing or building new scripts to help automate today's manual infrastructure and application tasks.
- Demonstrate accountability, sound decision making, analytical thoroughness, clear and concise communications, and the ability to lead and mentor team members.
- Communicate complex technical issues with sensitivity to diverse audiences and people with different level of technical understanding that range from entry level support teams, management, and technical engineering resources.
- Exposure to Service Management and ITIL Framework

Areas of Experience

Cloud Technologies

Azure, AWS

Version Control

GitHub Enterprise, TFS, SVN

CI/CD Tools

Jenkins, TFS, Azure DevOps, Artifactory, Ansible, Terraform

Container Tech

Docker, Kubernetes,

Scripting

Groovy, PowerShell, Bash & JSON, YAML scripting

Build Tools

Gradle, Maven, msbuild, npm

Release Management

XL Release, XL Deploy

Testing integration

SonarQube, Selenium, JUnit, JMeter, LoadRuneer, qTest

Security Integration

Veracode, Qualys, Centrify Vault, Okta SSO

Monitoring

Dynatrace, Elastic Search, Logstash, Kibana

Professional Experience:

Hexaware Technologies. From June 2019 – Till date

Leading Global IT Consulting, Digital Solutions, and the fastest growing next-generation provider of IT, BPO and consulting services.

PROJECT EXPERIENCE

Client : **Toyota Motor USA**
Role : **Senior DevOps Engineer**

Roles and Responsibilities:

- Experience in designing and implementing large scale enterprise CI/CD pipeline and Provide design CI/CD Orchestration framework for on premises, Cloud, and container native application.
- Design and implement next gen CI/CD for application developed on Java, .Net, Angular, Node.js, Python and Salesforce application.
- Design & Implement Jenkins master and dynamic worker node with Kubernetes deployment and SonarQube as a container Pods on Dev, Stage & Production.
- RBAC management of Jenkins & Sonar production and GitHub enterprise.
- Use Terraform and Ansible to deploy the infrastructure code to different environments and for configuration management.
- Implement Branching and versioning strategy, build number versioning and tagging & storing environment variables in Jenkins.
- Automate build triggers using Webhook from GitHub to Jenkins, Maven + Jenkins Integration, Unit test framework integration and pipelining, Code quality analysis configuration, integrations, Static application security testing configuration.
- Building and maintaining Docker container cluster managed by Kubernetes. Utilize them for the runtime environment of the CI/CD system to build, test deploy.
- Knowledge and practical experience with Docker is a must - including setting up and managing Docker registries as well as creating Docker files to build custom images.
- Hands-on experience on setting up Kubernetes platform, deploying microservices and other web applications, and managing secure secrets.
- Container orchestration using Kubernetes. Pod & Service deployment, configuration, and troubleshooting.
- Responsible for setting up Jenkins pipeline as a Code and the Shared library with SPEC file approach using Groovy scripting language.
- Experience in configure the release orchestration and management using XL release tool. Implement Bi-Directional synchronization between Jira, Jenkins, and ServiceNow to automate the release and change request (CR) process.
- Setup synthetic and API monitoring for enterprise applications and host monitoring for the associated infrastructure and log monitoring for critical log files using Dynatrace tool.
- Implement secure DevOps (DevSecOps) practices and identify techniques for building secure platforms, integration security requirements, secure deployment practices and deployment from beginning to the end of software life cycle.

- Integrate the security in CI/CD pipeline using Veracode for DAST, Qualys for container security, Centrify Vault for storing secrets and OKTA SSO for DevOps applications.
- Configure DevOps Dashboard for release and deployment metrics such as Release lead time, Frequency of Build, Build Success / Failure Ratio, Deployment Success / Failure Ratio, Average Time to Deploy, Code Quality Metrics and so on.
- Setup DevOps metric and dashboard by integrating Jenkins with ELK toolset Elastic Search, Logstash and Kibana.
- Prepare process documents and guidelines consisting of below areas: Source control management, CI/CD, Deployment management, Release management, Standards in automation frameworks and Standards in platform.
- Drive DevOps optimization activities globally by coordinating with developers, peers and other stakeholders in the organization.
- Participation in sprint planning activities including Epic/Story creation, story point estimation and ceremonies such as standups, backlog grooming and story refinement, planning and retrospectives.

Cognizant Technology Solutions LTD. From Feb 2010 – May 2019

A leading provider of Information Technology, Business Consulting, Enterprise Applications and IT Infrastructure Services, with over 50 delivery centers worldwide, Cognizant is a member of the NASDAQ-100, the S&P 500, the Forbes Global 2000, and the Fortune 500 and is ranked among the top performing and fastest growing companies in the world.

PROJECT EXPERIENCE:

Client : **Realogy Holding Corp**
Role : **DevOps Engineer**

Roles and Responsibilities:

- Develop and maintain tools that support and automate processes for software product release including setup/build/deployment scripts, environment configuration scripts.
- Manage and support customer environments in AWS and Azure cloud and Consult customers on technical aspects of installation, sizing, scaling.
- Automate the creation and provisioning of Dev and Test environments using an Infrastructure as Code approach with tools like ARM templates, Terraform and Ansible.
- Manage, develop, build CI/CD pipeline, including check code quality, Unit, integration, and functional tests implementation using Azure DevOps, Jenkins, Maven build, Nexus artifactory, JUnit, JMeter, SonarQube and Selenium tools.
- Automate Continuous Integration builds, nightly builds, deployments, and unit tests across multiple different environments each constituting different types of servers (DB, App, Web).
- Building and maintaining Docker container cluster managed by Kubernetes. Utilize them for the runtime environment of the CI/CD system to build, test deploy.
- Experience in configuring and managing web servers (IIS, Apache, Tomcat, Nginx) and web applications developed using .Net and Java. Take care of support issues like application outages and performance issues, server & database issues, and other troubleshooting tasks.

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- Experience in configuring the code repository in GitHub, create release, hotfix, feature branches and manage the user permissions.
- Create build & release templates for Continuous Integration and Continuous Deployment. Resolve Merge Conflicts, configure triggers and queue builds within the release pipeline.
- Work with the development teams to collect requirements for configuring new applications and further deployment support.
- Build and deploy Application code & database scripts in various environments from QA to Production and Azure Cloud environments.
- Setup, configure and support the database servers running in MS SQL server, PostgreSQL and configure the database deployment scripts.
- Perform Code & Database refresh from Production to lower environments based on project requirement.
- Configure the monitoring and alerts using Azure monitor, Amazon CloudWatch tools for the Azure and AWS cloud resources, respectively.
- Write PowerShell and Linux Shell (bash) scripting for task automation and to schedule tasks. Basic knowledge with Python scripting.
- As a member redefine processes and implement tools for software builds, patch creation, source control, and release tracking and reporting.
- Analyze, troubleshoot, debug, and assist in problem solving in both development and production and DR environments.
- Interface with system infrastructure, deployment, and project teams to ensure continuous operation of build and test systems and assist in incident management.

Sryas Software Pvt Ltd. From May 2007 – Feb 2010

Sryas is a CMMi Level3 - global technology company specializing in advanced business intelligence software, performance optimization technology and intelligent outsourcing services.

PROJECT EXPERIENCE:

Project Name	: IT Infrastructure Support
Role	: System Administrator

Job Responsibilities

- Administration & Maintenance of servers running with the following operating systems RHEL Linux and Windows servers.
- Installation, configuration, Administration and troubleshooting of Active Directory service, DNS Server & DHCP Server.
- Maintenance of User Accounts, providing and managing disk quotas & partitions, Print servers & Configuration printers and manage access permission of files and folders.

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- Implementation and administration of Internet Information Server (IIS), FTP server, File Server.
- Exposure with Load balancing and Clustering, SSL certificate, Firewall rules, TCP\UDP ports, basic networking and disaster recovery concepts.
- Implementation and Administration of Virtualization products like VMWare and Windows server Hyper-V.
- Provide DBA support and Backup & Restore of Microsoft SQL Server database using Litespeed SQL Tool.
- Handle and Troubleshoot Operating System installations, Software installations such as MS-office, Visual Studio, MS SQL server and etc.
- Maintaining centralized Antivirus system using Trend Micro Officescan antivirus software.
- Updating all the Desktops & Servers with latest Hotfix & Antivirus Patch.
- Maintaining Daily Server's System and Application Log Reports, Virus Log Reports.

Certification(s):

Microsoft Certified: DevOps Engineer Expert
Designing and Implementing Microsoft DevOps Solutions
Architecting Microsoft Azure Solutions
ITIL Foundation

Declaration

I hereby declare that the information furnished above is true to the best of my knowledge.

Date:

Place:

(A.KARTHIK KUMAR)