**AWS Certified DevOps Engineer – Professional**

**Red Hat Certified Engineer — RHCE**

**Red Hat Certified System Administrator — RHCSA**

**ITIL Certified**

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Seeking a challenging opportunity for **DevOps (including cloud infrastructure AWS and Azure)** where I will be able to utilize my strong 12+ years of experience in IT industry. I am self-motivated and will be able to work in both independent and collaborative team environments in designing, implementing, building the software applications and managing the deployment automation of cloud and on-premises environments.

**Professional Summary**

* Over 12+ years of experience in IT industry with config management, Change/Release/Build management, System Administration, Support and Maintenance in environment like **Windows build servers, AWS instances in EC2, Red Hat Enterprise Linux, SuSe, Ubuntu expertise in automating builds and deployment process** using Python, ShellScripts and PowerShell with focus on DevOps tools, AWS and Azure Cloud Architecture.
* Excellent Analytical and Communication skills, Quick Learner, Versatile Team player, Organized, Self-Motivated to pick up **new technologies and solve complex technical problems**
* Highly experienced and motivated in **DevOps technologies** with strong experience in Software Development Life Cycle (SDLC) including requirements analysis, design specification, coding and testing of enterprise applications.
* In-depth understanding of the principles and best practices of **Software Configuration Management (SCM)** in **Agile and Waterfall** methodologies.
* Experience in working on **DevOps/Agile** operations process and tools area **(Build and Release automation, CI/CD** environment, Service now incident and Change management)
* Expertise in Administering source code management tools **(GIT/ClearCase/TFS)** and Branching, Merging and Tags workflow patterns.
* Experience in Linux/Unix server administration like **RedHat, Suse, Ubuntu and Solaris**
* Experience with **CI/CD** methodologies using Jenkins/Bamboo and build tools such as Apache **Ant and Maven** using groovy script.
* Experience in Build and Release/DevOps Engineering in Automating, Building and Deploying and Releasing of code from one environment to another environment like **Dev, QA, ICT, UAT and PROD**
* Experience in using system and application monitoring tools like **Nagios, DataDog and AppDynamics**
* Experience in using **Tomcat, IIS and WebSphere** Application servers for deployments.
* Experience in using ASWS **services IAM, EC2, ECS, S3, EBS, EFS, Lambda, ELB, Autoscaling, CloudWatch, ELK, Route 53, CloudFront, CloudTrail, SQS and SNS** in cloud automation using terraform templates to create custom sized VPC, subnets, NAT, EC2 instances, ELB and Securing Group/NACL.
* Experience in using Terraform to implement Infrastructure as Code using **JSON/YAML**
* Experience in using **CodeCommit, CodeBuild, CodeDeploy and Elastic Beanstalk**
* Deploying build artifacts to an Enterprise Repository Manger like **Nexus and Artifactory**
* Familiar with modern provisioning and configuration management tools such as Ansible, **Chef and Puppet.**
* Experience in using **Kubernetes and docker swarm** for automating application deployment, scaling and management
* Experience in using container-based deployments using **Docker, Docker Images, Docker Hub and Docker Registries**
* Experience in using Bug Tracking Tool like **JIRA**
* Experience in using querying RDBMS such as **MySQL, SQL Server and Oracle**
* Experience in automating repetitive tasks with scripts using **Bash, Python and PowerShell**
* **RedHat Linux/Unix** server management and setup using provisioning configuration management tools

**Technical Skill Set**

* **Cloud Platform** Amazon Web Services (AWS) and Azure
* **Configuration Management** Ansible, Puppet and Chef
* **Continuous Integration** Jenkins, TFS and Bamboo
* **Containerization tool** Docker-swarm and Kubernetes
* **Monitoring tools (Sys and App)** Nagios and AppDynamics
* **Database** MySQL, SQLSERVER ad DynamoDB
* **Build Tools** Make, Ant, Maven and MSbuild
* **Version Control Tools** GIT, ClearCase and TFS
* **Web Servers** Apache, Tomcat and WebSphere
* **UT and CA** NUnit, Klocwork and Sonarqube
* **Scripting Languages** PowerShell, Bash and Python
* **SDLC** Waterfall and Agile
* **Deployment Tool** Jenkins and AWS CodeDeploy
* **Operating Systems** Linux, Unix & Windows servers
* **Issue Tracking** Jira
* **Languages** Java, .NET, C++, and C# (VSTS community)

**Professional Enhancements**

* **AWS Certified DevOps Engineer – Professional**
* **RedHat Certified Engineer – RHCE**
* **RedHat Certified System Administrator – RHCSA**
* **ITIL Certified**

**Education**

Master of Computer Science in KM College from Bharathidasan University, Trichy, TamilNadu

Bachelor of Computer Science in KM College from Bharathidasan University, Trichy, TamilNadu

**Work Experience**

**SIEMENS HEALTHINEERS PVT LTD (Senior DevOps Engineer)** (August 2019–Till Date)

* Install, configure and customize the CI/CD tools according to project requirements in on-premise and cloud environment.
* Working on configuring Build Agent and Build Pipeline using CI in TFS and Jenkins environment
* Writing PowerShell scripting for package automation and build automation
* Writing groovy scripting with jenkinsfile in Jenkins CI
* Building source and generating the packages in docker containers
* Setting up the networking in docker environment
* Pulling and pushing the images from docker hub
* Creation of custom images and pushing to docker hub
* Configuration of minikube, kubeadm, kubectl and kops
* Creation and maintenance of container and pods in Kubernetes environments
* Deploying the applications in Kubernetes environments using ansible playbook
* Working on storage and resources of Kubernetes
* Working on monitoring and logging dashboard and Prometheus
* Cluster Administration (Kubernetes namespaces, ResourceQuota, Kubeconfig, Service account, Authentication and authorization, Admission control)
* Setting up Kubernetes on AWS cloud environment
* Setting up continuous Delivery with Kubernetes
* Creating AWS/Azure cloud infrastructure using Terraform
* Jfrog Artifactory setup to store customized images
* GitHub repo/Git environment setup
* Jenkins and TFS CI/CD pipeline configurations
* Metrics and Log Monitoring for EC2, S3 and RDS
* IAM setup for security
* Configuration of VPC, subnets, gateways, route 53, ELB on AWS environment
* Setup and configuration of ansible
* Working on control node, managed nodes, Inventory, Collections, Modules Tasks and Playbook in Ansible.

**ALLSTATE Solutions Private Limited (Senior Consultant)** (June 2013–Aug 2019)

**CI/CD DevOps Automation and GIT/Linux administration (AWS and MS Azure)**

* Install, configure and customize the CI/CD tools according to project requirements
* Define cloud architecture, design and implementation plans for hosting complex applications workloads on MS Azure
* Architect solutions using MS Azure PaaS services such as SQL server, HDInsight, service bus, etc
* Provide Azure technical expertise including strategic design and architectural mentorship, assessments, POCs, etc. in support of the overall lifecycle
* Azure API management, Security, Cloud-to-Cloud Integration (Public and Private)
* Define cloud network architecture using Azure virtual networks, VPN and express route to establish connectivity between on premise and cloud.
* Managed identities for Azure resources and Role-Based Access Control
* Define the principles, scope, test and implement the builds with existing and new infrastructure
* Develop, support and implement the tools for CI/CD, automated testing and release management
* Automate CI/CD Pipeline and monitor of our infrastructure in multiple environments
* Creating fully automated CI Build and deployment infrastructure and process for multiple projects
* Hands on with GIT/GitHub/TFS for code-check-ins/Checkouts, Repository creation, branching etc.
* Developing Docker Images to support Development Teams
* Automate build using Declarative and Scripted Pipeline in Jenkins
* Monitor of CI/CD infrastructure in data centers owned and rented from AWS
* Strong experience in AWS, creating/Launching EC2 instances, RDS, Lambda, Security groups, Auto-scaling, Load balancers (ELBs), NACL in the defined VPC to design cost effective, fault tolerant and highly available systems.
* Worked on creation of PuppetManifestfiles to install instances and to manage configuration files for multiple applications.
* Worked on deploying and configuring ChefServer including bootstrapping of ChefClient nodes for provisioning.
* Created roles, Recipes, Cookbooks and Databags for Chef server configuration
* Worked on AWS OpsWorks, AWS Lambda, AWS CodeDeploy, AWS Cloudformation, CloudFoundry and Terraform.
* Infrastructure creation in coded manner (Infrastructure as code) using Puppet, Chef and Ansible for configuration management of virtual environment, and Vagrant for virtual machines and source control.
* Automated the process of installation, configuration of the web application servers like WebSphere/WebLogic/Apache Tomcat/JBOSS using Ansible, Chef and Puppet.
* Writing build automation in Maven, ANT and MSBuild to generate deployable artifacts (JAR, EAR, WAR and TAR).
* Troubleshoot and resolve CI/CD issues in multiple environments (Dev, Test and Production)
* Analyzing the Business requirements and suggestion of appropriate DevOps Solution on Windows and Linux Platforms for various Business Units to improve their Delivery time to customers.
* Managed Git-Hub Enterprise application Server and was involved to standardise it as Version control system with repositories and permissions, including branching and tagging.
* Automated CI/CD pipelines for code deployment using MAVEN and Jenkins Master Slave Servers, eliminating human error and speed up production processes
* Actively manage, improve and monitor AWS cloud infrastructure using IAM, EC2, S3, EBS, EFS, AutoScaling, CloudWatch, CDN, VPC/VPN and RDS.
* Data Security and securing servers in AWS
* Configure and build binaries using CI/CD principles in AWS cloud environment using CodeCommit, CodeBuild and CodeDeploy
* Built and deployed Docker containers to break up monolithic app into microservices, improving developer workflow, increasing scalability, and optimizing speed.
* Installed and configured Nagios to constantly monitor network bandwidth, memory usage, and hard drive status
* Developed installer scripts using Shell, Python for various products to be hosted on Application Servers.
* Used Ansible as Configuration management tool, to automate repetitive tasks, quickly deploys critical applications, and proactively manages change.
* Ensuring that the Applications and the respective servers are up and running 24X7
* Defining Standards and ensuring that the standards are strictly followed across all sites by all team members
* Effective license management & improve the User account management by automating and simplifying the process.
* Linux Server Administration (user and group administration), LVM, Backup and restoring of File systems, File permissions, package management and repository YUM configurations, configuration of network and interfaces, configuring Application servers, LVM Partitions, configuration of Web Server, NFS, Samba and FTP servers, Configuration of NIS and LDAP
* Experience in using debugging tools like memstat, tcpdump, netstat, iostat, etc.
* Good understanding OSIModels, TCP/IP protocol suite (IP, ARP, TCP, UDP, SMTP, FTP and NFS)
* Designing and implementing CI system: Configuring Jenkins servers, Jenkins Nodes, creating required scripts (Python and Ruby) and creating/Configuring VMs (Windows and/Linux).

**ARICENT GROUP (Senior Specialist)** (Oct 12 – Apr 13)

**Build Automation and Linux Administration**

* Installation and configuration of CI builds using Jenkins Server
* Build server configuration and setup
* Automate builds for difference projects using Jenkins jobs in maven build
* Installed multiple plugins to Jenkins and configured Proxy to get auto updates
* NFS server and Client Configuration for both RedHat and Solaris
* FTP configuration for anonymous and valid project users
* Apache web server configuration for both Server and Clients
* SCP, SSH, SSL and Telnet configuration for both Server and Clients
* Installed and Managed Veritas Volume Manager on RedHat and Solaris
* Configure SSH, SMTP, Build Tools and Source Control Repositories in Jenkins

**SIEMENS INFORMATION SYSTEMS** **LTD (Consultant )**  (Aug 07 – Oct 12)

**SCM, Build Automation and Linux Administration**

* Build MSI Packages and deliver to the Customers
* Build packages using ClearMake utilities and deliver to the customers
* Schedule nightly build using Hudson CI server
* Create and Configure of JOBs in Hudson CI server
* Merging to and from the Integration Workspace for different Production version
* Performed on time Regular, Centralised, and Integration Builds for Parallel Product versions
* Enhancements of Build time through Automated Scripts
* Managing Scheduled jobs
* Involved in Project team CM Audits to ensure Process and Standards followed
* Continuous Monitoring of Servers through Nagios to take preventive Measures
* Performing Regular Disaster Recovery and checks to ensure minimum Restore time
* Linux Server Administration (user and group administration), LVM, Backup and restoring of File systems, File permissions, package management and repository YUM configurations, configuration of network and interfaces, configuring Application servers, LVM Partitions, configuration of Web Server, NFS, Samba and FTP servers, Configuration of NIS and LDAP
* RedHat and Solaris installation with LVM implementation
* Advanced Network configuration for both Server and Clients
* Troubleshooting Samba related issues from Windows to Linux

**First Indian Corporation (Jr. Executive)** (June 05 to July 07)

* Linux server administration and maintenance
* Software Installation, License Activation and User Training
* Troubleshooting NFS, Samba and FTP servers, Configuration of NIS, and LDAP