A picture containing diagram

Description automatically generated**Adduri Kalyan**

**Kalyanadduri7372@gmail.com**

**M#: 945-249-2792.**

**View Certification here:** [AWS Certified Solutions Architect – Associate - Credly](https://www.credly.com/badges/8824c47f-a822-4b7f-9823-c87706d27379/linked_in?t=rc4rzz)

**PROFESSIONAL SUMMARY:**

* Around **8+** years of experience in IT industry with strong expertise on System administration and implementing **DevOps** tools like **Chef** and **Ansible** for Continuous Integration and Continuous Deployment with build tools using **Jenkins, ANT**, and **Maven** on Cloud Infrastructure using **AWS**  and on-premises virtualization using **VMWare.**
* **AWS Certified Solution Architect – Associate**.
* Deployed infrastructure on **AWS** utilizing services such as EC2, RDS, VPC and Managed Network and Security, Route 53, Direct Connect, IAM, Cloud Formation, AWS Ops Works (Automate operations), Elastic Beanstalk, AWS S3, Glacier, (Storage in the cloud) and Cloud Watch Monitoring Management.
* Handled up to 100 **Production/UAT/Support/DEV databases** & **application servers** and 500 plus database/application **migrations** from an On-Premise’s datacenter & VMware to Amazon Web Services ensuring minimum downtime.
* Exposure with messaging solution like Kafka and MQ.
* Designed **AWS Cloud Formation** templates to create custom sized VPC, subnets, NAT to ensure successful deployment of Web applications and database templates.
* Worked on **PowerShell/Bash scripts** to gather resources metrics from **AWS EC2 Instances**, and configured Alerts and Dashboards using **AWS CloudWatch Monitoring**.
* Experience in dealing with Windows **Azure** IaaS - Virtual Networks, Virtual Machines, Cloud Services, Resource Groups, Express Route, VPN, Load Balancing, Application Gateways, Auto-Scaling, and Traffic Manager.
* Installed and used **Chef Server Enterprise** on premise/workstation/bootstrapped the nodes using knife and automated by testing **Chef recipes/cookbooks** with test-kitchen/chef spec.
* Developed **Chef Cookbooks** for Tomcat, My Sql, windows applications and versioned them on Git repositories and Chef Server.
* Extensively worked on **Jenkins/Hudson** for continuous integration and for End-to-End automation for all build and deployments.
* Expertise in using build tools like **MAVEN** and **ANT** for the building of deployable artifacts such as war & ear from source code.
* Ability to build deployment, build scripts and automated solutions using various scripting languages such as **Bash, PowerShell, Python, Ruby, XML**.
* Experience in working with Puppet Enterprise and Puppet Open Source. Installed, configured, upgraded and managed Puppet Master, Agents, and Databases. Integration of Puppet with Apache and Passenger.
* Experience in creating **Puppet manifests** and modules to automate system operations.
* Hands on experience on **Docker hub**, creating **Docker images** and handling multiple images primarily for middleware installations and domain configuration. Strong knowledge on Docker components like **Docker Engine, Hub, Machine, Compose and Docker Registry.**
* Expert in deploying the code through web application servers like **WebSphere/Web Logic/Apache Tomcat/JBOSS.**
* Expertise in configuring and administering **NFS, DNS, LDAP, DHCP, Mail Servers** and Web Servers like **Apache HTTPD & Tomcat** and **WebLogic** in heterogeneous environments.
* Extensively worked on Source Code Management tools like **SVN, GIT, GIT HUB** and performed operations namely branching, tagging, merging, repository management, etc. Also, responsible for **migrating SVN repositories to GIT.**
* Experience in using bug tracking systems like **JIRA, Bugzilla, HP Quality Center**, and **IBM Clear Quest.**
* Installation, Configuration, and Management of RDBMS and NoSQL tools such as **SQL Server 2008/2012/2014, MySQL, DB2, PostgreSQL,** and **MongoDB.**
* Worked in infrastructure team on installation, configuration, and administration of windows server 2008-R2/2012-R2, RHEL 5.x/6.x/7.x servers.
* Administered tasks like taking backups, expanding file system disk space, creating NFS mounts.

|  |  |
| --- | --- |
| **Operating Systems** | RHEL/CentOS 5.x/6.x/7, Ubuntu/Debian/Fedora, Sun Solaris 7/8/9/10, Windows Server 2003/2008/2012 |
| **Scripting Languages** | Python, Bash, Ruby, Perl |
| **Database Systems** | Oracle Databases 12c/11g/10g/9i, SQL Server, No Sql, DB2, Mongo DB. |
| **SCM Tools** | SVN, GIT, GitHub, Clear Case |
| **Build Tools** | Ant, Maven |
| **CI/CD Tools** | Jenkins/Hudson, Team City, Bamboo |
| **App/Web servers** | Apache Tomcat 7.x, JBoss 7.x, Web logic, Web Sphere, IIS |
| **Configuration**  **Management** | Chef, Puppet, Salt Stack |
| **Cloud Infrastructure** | Amazon Web Services, VM Ware, V Sphere, Azure |
| **Bug Tracking Tools** | JIRA, Bugzilla, HP Quality Center, Clear Quest |
| **Monitoring** | Nagios, AWS CloudWatch |
| **Network Protocols** | SMTP, SNMP, ICMP, TCP/IP, FTP, TELNET, UDP |

**Client: Bank Of America, New York Sep 2021 – Till Date**

**Role: AWS/DevOps Engineer**

**Responsibilities:**

* Responsible for Implementation, design, architecture, and support of cloud-based server and service solutions.
* Managed multiple AWS accounts with multiple VPC’s for both production and non-prod where primary objectives included automation, build out, integration and cost control.
* Responsible for using AWS Console and AWS CLI for deploying and operating AWS services specifically VPC, EC2, S3, EBS, IAM, ELB, Cloud Formation and Cloud Watch.
* Experience of database technologies such SQL, including NoSQL databases, Mongo DB.
* Installing, configuring, and troubleshooting on various Amazon images like Amazon Linux AMI, Redhat 4.x, 5.x.6.x,7.x, Ubuntu 12.x, 13.x, 14.x, 15.x by using AWS EC2 instance service.

Templated AWS infrastructure as a code using Terraform to build staging and production environments.

Created and managed multiple Instances of Apache Tomcat and deployed several test applications in those instances in QA environment.

Configured a VPC and provisioned EC2 instances, EBS in different availability zones.

* Implemented and maintained the monitoring and alerting of production and corporate servers/storage using AWS Cloud Watch.
* Setup and build AWS infrastructure various resources, VPC EC2, S3, IAM, EBS, Security Group, Auto Scaling, and RDS in CloudFormation JSON templates.
* Strong knowledge on RDBMS & No SQL databases administration.
* Creating Cloud Watch alerts for instances and using them in Auto Scaling launch configurations.
* Installed, configured, and managed MongoDB servers and performance tuning of Mongo Databases.
* Analyze the fitment of using AWS inherent fault tolerant building blocks in application architecture.
* Backing up the instances by taking snapshots of the required servers regularly.
* Setting up and administering the DNS system in AWS using Route53.
* Responsible for ensuring Continuous Delivery/Continuous Integration across all environments from UAT/TEST to Pre-Production and Production using Jenkins.
* Integrated Gradle with Git to manage and deploy project related tags.
* Responsible for performing tasks like Branching, Tagging**,** and Release Activities on Version Control Tools: SVN, GIT and migrated SVN into GIT.
* Created images and stored in the Docker containers and uploaded to the Docker hub.
* Developed procedures to unify, streamline and automate application development and deployment procedures with Linux container technology using Docker.
* Used ANT and MAVEN as build tools on Java, PHP projects for the development of build artifacts on the source code.
* Proficient with container systems like docker and container orchestration like EC2 container Service , Kubernetes, worked with Terraform.
* Installation and setting up Kubernetes cluster on AWS manually from scratch.
* Developed scripts using BASH files for Automation of activities and builds.
* Setup up and maintenance of automated environments using Chef recipes & cookbooks within the AWS environment.
* Managed Chef Cookbooks to automate system operations.
* Automated middleware layer and database layer infrastructure deployment tasks using Chef.
* Using Jenkin AWS code deploy plugin to deploy to AWS.
* Installed Workstation, Bootstrapped Nodes, Wrote Recipes, and Cookbooks and uploaded them to Chef-server, Managed On-site OS/Applications/Services/ Packages using Chef as well as AWS for EC2/S3 & ELB with Chef Cookbooks.
* Written cookbooks for installing Tomcat, WebLogic, JBoss, WebSphere, JDK etc. and for configuring load balancers and fail over.
* Automated the front-ends platform into highly scalable, consistent, repeatable infrastructure using high degree of automation using Chef, Jenkins, and Cloud Formation.
* Creating scripts in DSL Groovy which integrate with Jenkins for Automation to create seed jobs.
* Implemented Continuous Integration (CI) using Jenkins, Git from scratch.
* Configured plugins for the integration tools to the version control tools.
* Configured application servers Tomcat, JBoss and Nginx to deploy the code.
* Responsible for Continuous Integration (CI) and Continuous Delivery (CD) process implementation-using Jenkins along with Python and Shell scripts to automate routine jobs.
* Managed SVN repositories for branching, merging, and tagging and developing Shell/Groovy Scripts for automation purpose.
* Involved in design, implementation and modifying the Python code.
* Created and maintained the Python deployment scripts for Web Sphere web application server.
* Configuring network services such as DNS/NFS/NIS/NTP for UNIX/Linux Servers and setting up UNIX/Linux environments for various applications.
* Developed Python and shell scripts for automation of the build and release process.
* Successfully developed for large scale distributed systems and reliable, fault tolerant software.

**Environment:** AWS, AWS IAM, AWS EC2, AWS S3, AWS cloud watch, Route 53, Terraform, Nginx, ANT, Python, Maven, SVN, GIT, GitHub, Chef, Docker, NO SQL, Mango DB, Nagios, Jenkins, Apache HTTPD, Groovy, Apache Tomcat, Web Sphere, JBoss, JSON, Bash, Shell, Perl, Python, PHP, Ruby.

**Client: Republic Services, Scottsdale, AZ May 2020– Aug 2021**

**Role: Cloud/DevOps Engineer**

**Responsibilities:**

* Involved in migrating physical Linux/Windows servers to cloud platform AWS and testing it.
* Responsible for designing architectural diagrams for various applications before migrating into Amazon Cloud and considered the different factors like flexible, reliable, scalable, high-performance and security.
* Adoption/implementation of Cloud infrastructure and lead the transformation; implement solutions with respect to streaming architecture design on Kafka.
* Manage AWS EC2 instances utilizing Auto Scaling, Elastic Load Balancing, and Glacier for our environments.
* Configuring and Networking of Virtual Private Cloud (VPC).
* Creating S3 buckets and managing policies for S3 buckets and Utilized S3 bucket and Glacier for storage and backup on AWS.
* Worked on Jenkins to implement Continuous Integration and deployment into Tomcat /Web Logic Application Server.
* Launching and configuring of Amazon EC2 (AWS) Cloud Servers using AMI’s (Linux/Ubuntu) and configuring the servers for specified applications.
* Deployed java applications to application servers in an agile continuous integration environment and automated the whole process.
* Worked with git to maintain code, deploy code through Travis and Terraform to Amazon Web Services via Dies.
* Participate in the Build out Azure Cloud and Dev Ops best practices.
* Installed Jenkins instances and configured master and slave and ran jobs in different slave platforms.
* Managed Docker orchestration and Docker Containerization using Kubernetes.
* Deployed and designed pipelines through Azure data factory and debugged the process for errors.
* Created Azure services using **ARM** templates (JSON) and ensured no changes in the present infrastructure while doing incremental deployment.
* Wrote power shell scripts to create the parameter files automatically for all the services in Azure Resource Manager
* Deployed Active Directory domain controllers to Microsoft Azure using Azure VPN gateway.
* Meraki VPN/Firewall appliance, with Point-To Site (V1 network connection to V2 Network) for migration of **Azure** VMs from classic Portal to Azure Portal.
* Involved in creation of virtual machines and infrastructure in the Azure Cloud environment
* Created different jobs in Jenkins like commit jobs, deployment jobs, release jobs and nightly build jobs to enforce Continuous Integration of our codebase.
* Experience with deploying and administering Kubernetes on AWS or GCP or Azure.
* Knowledge of the various services and capabilities of cloud computing platforms (AWS/Azure/GCP).
* Installation, Configuration, and Administration of VMware VSphere4, ESX 3.5 and ESXi Server, VMware View.
* Performing and supporting the daily build process and publishing the artifacts in the Nexus Repository.
* Experience installing and administering monitoring Nagios and maintaining it by using Shell scripting.
* Involved in moving many locally hosted apps to cloud and hybrid cloud platforms on AWS.
* Created pre-configured AMI for specific development environment and network architecture using AWS VPC, Subnet, Internet Gateway, and NAT.
* Moved Java/J2EE applications and Databases into Cloud.
* Installed and configured SSH & SSL for secured access on Linux systems.
* Worked on Linux based kernel issues, memory upgrade, and swap area to resolve performance of servers.
* Involved in scrum meetings, product backlog and other scrum activities and artifacts in collaboration with the team.

**Environment:** Azure, Chef Jenkins, Kubernetes, Docker, Nagios, Maven, ANT, Nexus, GIT, Amazon web service, SVN, Python, Shell, Java/J2EE, JIRA, Clear case.

**Client: Aetna, Hartford, CT Jul 2017 – April 2020**

**Role: DevOps Engineer**

**Responsibilities:**

* Developed build using ANT and MAVEN as build tools and used CI tools to kick off the builds move from one environment to other environments.
* Implemented tools for software builds, patch creation, source control, and release tracking and reporting on UNIX platform.
* Demonstrate advanced knowledge of all aspects of Azure Infrastructure including, VMSS, VM, App GW, Network Resources, Key Vaults, Azure Monitor Log Analytics.
* Integrate data pipelines from data warehouse (SQL Server) to Big Data (MongoDB) platform using Apache Kafka data streams.
* Used Jenkins to integrate different tools and technologies to automate the build and deployment process.
* Used Kubernetes to orchestrate the deployment, scaling and management of docker Containers.
* Design best approach suited for data movement from different sources to HDFS using Apache/Confluent Kafka.
* Implementing new projects builds framework using Jenkin & maven as build framework.
* Performed clean builds as per the schedule published for a given releases.
* Created Automated Deployment using Jenkins.
* Responsible for Continuous Integration environments like Jenkins, Nexus, Sonar.
* Integrated GIT into Jenkins to automate the code checkout process.
* Preparing Run Books for On-Call to resolve monitoring alerts.
* Setup the Hudson as continuous Integration tool to integrate the Java project.
* Created Maven, Perl & UNIX scripts for build and Release activities in QA, Staging and Production environments.
* Implementing a continuous delivery framework using Jenkins, Chef, Maven & Nexus in Linux environment.
* Maintained and Administered GIT Source Code Tool.
* Created Branches, Labels and performed Merges in Stash and GIT and proposed and implemented branching strategy suitable for Agile development in Subversion.
* Proposed different branching strategies for SVN Subversion to support the parallel development for various projects.
* Involved in branching and merging of code.
* Administered Build Forge for automated build and deploy activities.
* Labeling activities in TFS once deployment is done.
* Enforced development policies using Subversion hooks and other metadata.
* Wrote ANT Scripts to automate the build process.
* Installed and Configured Nexus to manage the artifacts in different Repositories.
* Deployed JAR, WAR & EAR artifacts into the WebLogic servers and Apache servers.
* Deployed Java/J2EE applications on to the Apache Tomcat server and configured it to host the websites.
* Exposure to administration of Internet Information Systems (IIS) Web Servers**,** application servers.
* Resolved update, merge and password authentication issues in Bamboo and JIRA.
* Managed the entire Release Communication and Co-ordination Process.
* Integrated Junit, FindBugs, Check Style code analysis and testing during the build.
* Hands on experience on various bug Tracking tools like Bugzilla and JIRA and integrated with Junit, HP QC**,** and other software testing procedures.
* Experienced in configuring and troubleshooting TCP/IP network services.

**Environment:** ANT, Maven, Jenkins/Hudson, Bamboo, Nexus, Python, Shell, Bash, Perl, TFS 2010, GIT, SVN, JIRA, Java/J2EEE, Apache Tomcat, WebSphere, Bugzilla, JIRA, JUnit.

**Celoris Tech , Hyderabad, India Aug 2013 - Dec 2015**

**Role: DevOps Engineer**

**Responsibilities:**

* Configured Hudson/Jenkins for doing the build in all the non-production and production environments.
* Experienced with managing some build processes using Team city in pre-prod development environment.
* Responsible for the Plugin Management, User Management, Build/Deploy Pipeline Setup, and End-End Job Setup of all the projects.
* Used GIT as Version Control System for two applications. Managed development streams and integration streams.
* Used Perforce for Software Configuration management and maintaining versions of the Symantec’s Website code.
* Deployed the ANT and Maven generated artifacts in a WebSphere application server.
* Develop and maintain ANT (build.xml) and Maven (pom.xml) scripts.
* The entire process of Build, Release and deployment was automated using Ant, Shell scripting and Cruise Control.
* Responsible for Branching and merging the code as per the schedule.
* Configured Bamboo for doing the build in all the non-production and production environments.
* Written shell scripts and Perl scripting to take backup oracle database.
* Working closely with Web Administrators to understand, participate, and experience the technical architect for web sites such as Apache, JBOSS, Web Logic; and deploying J2EE Applications to these environments.
* Executed DB scripts (DML and DDL) which have dependencies on the code on Oracle DB.

**Environment:** Jenkins, TeamCity, Bamboo, ANT, Maven, Perforce, GIT, SVN, Apache, JBoss, J2EE, WebSphere, WebLogic, XML, Shell, Perl.

**EDUCATION:**

* Bachelor’s in Computer Science in 2013 from Krishna University, India
* Masters in Computer Science in 2018 from Dallas Baptist University, TX, USA