### AWS Certified Solutions Architect – Associate Training - Infocerts LLPPassed AZ-203 Microsoft Certified Azure Developer - Thomas MaurerHashiCorp Cloud Engineer Certification - Terraform Associate 003Certified Kubernetes Administrator Study Guide – Prepare for the CKA ExamDudani Kamaldeep Singh

AWS/Azure DevOps Engineer

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Green Card

### **PROFESSIONAL SUMMARY:**

* Having 15+ years’ experience in IT, AWS Cloud/DevOps Engineer with major focus on AWS, Open Stack, Continuous Integration, Continuous Deployment, and Virtualization technologies which also includes Troubleshooting and Performance issues.
* Experienced in Amazon AWS Cloud Services which include EC2, ELB, Auto-Scaling, S3, IAM, VPC, Route53, RDS, DynamoDB, CloudTrail, CloudWatch, Lambda, ElastiCache, SNS, SQS, CloudFormation, CloudFront, Beanstalk, EMR, AWS Workspaces.
* Build Automations like AWS Code pipeline.
* Hands on experience on Backup and restore AWS services. Designed and configured Subnets, DHCP address blocks, DNS settings and security policies and routing.
* Used Amazon ECS as a container management service to run microservices on a managed cluster of EC2 instances. Implemented Amazon API Gateway to manage, as an entry point for all the API's.
* Hands-on experience in the area of Public Key Infrastructure (PKI), such as the Common Access Card (CAC), Alternate Token, SIPRNet Token, smartcard reader, smartcard and certificate validation applications, and Microsoft client and server products.
* Strong Experience on Monitoring and logging including Cloud watch logs, Kibana, Logz.io
* Experience in migrating Kafka, ELK and Zookeeper configurations.
* Set up Kafka cluster setup on the QA and Production environments.
* Strong experience on automation, Build and release process using Bash, Python and JavaScript.
* Good exposure on Azure DevOps, Microsoft Technologies and Agile methodologies.
* Leading the Engineering Test Team to evaluate Master key plus product with Defense Message System (DMS) and Public Key Infrastructure (PKI) network and computer system management functions including software and hardware configurations.
* Converted existing Terraform modules that had version conflicts to utilize Cloud Formation templates during deployments, worked with Terraform to create stacks in AWS, and updated the Terraform scripts based on the requirement on regular basis.
* Extensive Knowledge in Design and Development of User Interfaces usingHTML5, DHTML, CSS, XML, XSL.
* Expert in building Azure components and Web Apps using Kubernetes and Docker Images.
* Experience working on planning, installation, migration, upgrade of OS (AIX, Linux), as well as deployment and Production Support.
* Deployed and configured Atlassian tool JIRA for both hosting and issue tracking for local instances, workflow collaboration, and tool-chain automation, also used Remedy for bug tracking.
* Experience with GitLab building automation runner in building Docker images.
* Hands-on with Containerization tools such as Docker and Kubernetes.
* Hands-on with security practices IAM, Cloud Watch.
* Expert in setting up AWS applications with app service environment, app service plan, web jobs and migrating data from on-prem to AWS using tools.
* Ownership for AWS SQL server DB deployment & managed the continuous integration & continuous deployment.
* Adept with various distributions of Virtualization, Cloud, and Linux.
* Manage IT annual budget and internal IT process
* Manage IT Teams like Infrastructure, Developers, PMO, Support
* Manage and Lead infrastructure migration to AWS Cloud.
* Proven expertise scripting with Bash, and Python.
* Knowledge of utilizing cloud technologies including Amazon Web Services (AWS) and Microsoft.
* Experience in dealing with Windows Azure IaaS - Virtual Networks, Virtual Machines, Cloud Services, and Resource Groups.
* Experience in Bug tracking and Project tools like JIRA.
* Manage and support development and production environment databases.

### **CERTIFICATIONS :**

* Microsoft Certified Azure Developer Associate (2020) ID: 991045711
* AWS Certified Solution Architect-Associate (2018)– ID: VBT7E023PTQ4Q3KB
* Certified Kubernetes Application Developer
* Terraform Certified Associate.

### **TECHNICAL SKILLS****:**

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| Life Cycle Model: Agile (Scrum, Kanban) Waterfall. |
| Bug/Issue Tracking: JIRA, Bugzilla, Rally, Confluence. |
| Build Tools: ANT, Gradle, Maven. |
| Code Quality Analysis Tools: SonarQube, Micro Focus Fortify. |
| CI/CD Tools: Jenkins, Hudson, Bamboo, Ansible, Chef, Puppet, |
| Cloud Platforms: AWS, Azure, GCP. |
| DevOps Tools: GIT, Bitbucket, SVN, TFS, Docker, Mesos, Docker Swarm,  Kubernetes, OpenShift, Azure Ks, GKE, Marathon |
| Infrastructure as Code: Cloud Formation, Terraform. |
| Web/Applications servers: Apache Tomcat, JBOSS, Web Logic, WebSphere. |
| Repository Management Tools: JFROG, Nexus, Artifactory, Docker Hub. |
| Web Services: REST, SOAP. |
| Network Protocols: IP/TCP, FTP, SSH, SSL, SMTP, DNS, DHCP, IMAP4,  HTTP/HTPPS, SIP, WAN, LAN |
| Scripting Languages: Bash, PERL, Shell, Groovy, PowerShell, Ruby, Python. |
| Database: SQL, MySQL, MariaDB, Oracle, MongoDB,  PostgreSQL, CassandraDB. |
| Monitoring Tools: Nagios, Splunk, Zabbix, CloudWatch, ELK. |
| O/S: Windows Family, Mac OS, RHEL, CentOS, Ubuntu, Debian. |

### **WORK EXPERIENCE:**

**Lead AWS DevOps Engineer Jan 2020 to Till Date**

**Fannie Mae, Jersey City, NJ (Remote)**

* Hands-on experience with AWS services such as EC2, ECS, ELB, S3, IAM, VPC, Route53, RDS, DynamoDB, CloudTrail, CloudWatch, CloudFront, Lambda. Experienced in working with AWS code pipeline, AWS deployment automation, and AWS Service Catalog.
* Being an active role in the application infrastructure management team, involved in setting up the new environment for Continuous Integration (CI) and Continuous Deployment (CD) in agile software methodology.
* Performed configuration management for all different applications running on all environments and managed the production release process that ensured the reliability and availability of the platform.
* Contribute to developing best practices for infrastructure as code (e.g.: Python, Groovy, Shell scripting), software builds tools (Maven, ANT, Shell), and continuous integration tools (Jenkins, Hudson), and infrastructure automation Terraform, UCD, UDeploy, etc.) & GitLab.
* Used Cloud Bees Jenkins for continuous integration and for End-to-End automation for application build and deployments. Used Jenkins to create a CI/CD pipeline for Artifactory using the plugin provided by Jfrog. Worked on creating multibranch pipelines saving a lot of time avoid manual interventions.
* Experience on Terraform for Infrastructure provisioning. Experienced in working on Urban Code Development for application deployments.
* Worked with Coding, Developing the application from scratch. Understanding of information security scanning and monitoring tools.
* Understanding of service-oriented architecture (REST APIs, micro-services, etc.) and developed code to make API calls.
* Demonstrated ability to learn new technologies and business requirements. Independently planned and delivered specific functionality within their expertise.
* Managed On-site OS/Applications/Services/ Packages using Ansible as well as AWS for EC2/S3&ELB with Ansible playbooks.
* Created developed and tested environments of different applications by provisioning ECS clusters on AWS using Docker, Ansible, and Terraform.
* Created Docker images using a Docker file, worked on Docker container snapshots, removing images and managing Docker volumes. Created and managed a Docker deployment pipeline for custom application images in the cloud using Jenkins.
* Written Terraform templates, Chef Cookbooks, recipes and pushed them onto Chef Server for configuring EC2 instances.
* Involved in source control management with GitHub and GitLab Enterprise level repositories. Regular activities include configure user’s access levels, monitor logs, identifying merge conflicts and managing master repository.
* Defined branching, labeling, and merge strategies for all application in Git.
* Developed sound version control best practices based on CM systems (BitBucket, etc.), including branching and merging strategies.
* Worked on Global Database creation for the failover process of application to multiple regions to avoid the downtime in cloud environment.
* Proficient in Unix/Linux Administration and Architecture: SSH, User Management, Memory Management, and Log Management, Disk Management and Files Management.
* Worked as a team that involves three different development teams and multiple simultaneous software releases. Troubleshooted critical production issues that the DevOps teams escalated resulting in a quick resolution of errors. Monitored each service deployment, and validating the services across all environments.
* Used agile methodology throughout the project. Involved in weekly and daily bases release management. Active participant in scrum meetings, reporting the progress and maintain effective communication with each team member and manager.
* Strong verbal and written communication skills, including visual presentation skills.

**Environment:** AWS EC2, ECS, Route 53, S3, ELB, AWS CLI, Cloud Bees Jenkins, Groovy Scripting, Ansible scripting, Puppet, Docker, Terraform, Micro Services, CICD, Git/GitHub, Bitbucket, SNS, SQS, Cloud watch, Shell Scripts, Unix/ Linux environment.

**BNP Paribas Bank, Jersey City, NJ. Oct 2017 to Jan 2020**

**Role: Azure DevOps Engineer**

Responsibilities:

* Participated in Migration of On-Premise machines, hard drivers and web applications to AZURE on PowerShell using the Azure Site Recovery.
* Supervised and worked with a team of DevOps engineer for infrastructure support on Azure, by using various automaton scripts that enable management of the Azure environment.
* Performed an intensive SCRUM and Agile Methodology Analysis and reviewed assigned tasks, final development goals during team meetings.
* Used TFS (Team Foundation Server), VSS (Visual Source Safe) to keep the integrity of the project and maintain code synchronization, Used JIRA to track issues and tasks of the project.
* Created Ant build.xml and Maven Pom.xml to automate the build process for the new projects and integrated them with third party tools like Fortify, Nexus.
* Build and deployed .NET and ASP.NET applications on to different environments such as QA, SIT, UAT & PROD.
* Worked on configuration of internal load balancer, load balancer sets and Azure Traffic manager.
* Deployed and configured Azure websites, configure diagnostics, monitoring and analytics on Azure stack (Including Compute, Web & Mobile, Blobs, Resource groups, Azure SQL, Cloud services, key vaults and ARM), focused on high-availability, fault tolerance and auto-scaling.
* Implemented high availability with Azure classic and Azure Resource Manager (ARM) deployment models.
* Created users and groups Identity Access Management (IAM), assigned individual policies to each group and configured Shared Access Signature (SAS) tokens and Storage Access Policies in Azure cloud Infrastructure.
* Worked on creating Azure Blob for storing unstructured data in the cloud as blobs. Designed WCF services layer hosted on Window Azure. This layer is the middle tier between SQL Azure and SharePoint online external content.
* Automated BizTalk application deployment from TFS using build templates that trigger PowerShell scripts and used TFS to manage Web applications, Environments Configuration Files, Users and Packages
* Implementing and managing global intranet project using Scrum (Agile Framework), Office 365, Microsoft Azure, Hybrid Active Directory, CSOM, PowerShell and SharePoint Infrastructure management tools.
* PowerShell scripting for Automation – creating VM’s, Virtual Networking, VPN, Key Vault Load balancer and Disk Encryption.
* Implementing and managing continuous delivery systems and methodologies using VSTS and Jenkins.
* Developed and Deployed .NET and Java based solutions. Developed automated JAVA solution deployment to PaaS on Microsoft Azure windows-based environment using .NET technologies and PowerShell
* Created VSTS job for automation of build and deployment process as part of continuous integration strategy
* Mentored to Dev team for setting up infrastructure using PostgreSQL for troubleshooting and Orchestrated using Mesos on Google Cloud Platform (GCP). Application of orchestration using kubernetes on Azure.
* Coordinated with development team as backup, and resolved issues based on configuration management tool like Chef.
* Defined branching strategies in Bitbucket and implemented best practices on GCP.
* Performed Continous Integration by merging code into a central repository like Bitbucket and used CI server Jenkins to build and validate code with a series of automated tests.
* Automated provisioning and tedious tasks using Terraform and Python, Docker container, Service Orchestration. Hands-on experience on Terraform for building, changing and versioning infrastructure safely and efficiently.
* Designed and created Docker images using Docker files. Hand-on experience with Docker container snapshots and managed Docker volumes.
* Integrated kubernetes with registry, networking, storage, security and telemetry to provide comprehensive infrastructure and orchestrate containers across multiple hosts, on Azure.
* Managed clusters using Kubernetes and worked on creating many Pods, Replication Controllers, services, deployments, Labels and Health checks.
* Integrated Apache Kafka for data ingestion, to capture and process the real time and the near real time streaming data.
* Set up Jenkins jobs to carry deployments and builds on various environments. Perfectly designed the ASP.NET project workflow/pipeline using Jenkins as CI tool.
* Developed and hosting WCF services on IIS by following Service Oriented Architecture (SOA)
* Created JSON based Azure resource manager (ARM) templates for deployments and Knowledgeable in deploying all the artifacts to application server WebSphere.
* Branching, tagging, Release activities and resolved conflicts using version control tool like TFS.
* Utilized REST API App features of Micro Azure Service and integrated with version control tool TFS that automatically deploy commits to make code changes easier than ever. Performed various actions such as monitoring container health, search logs from the kubernetes dashboard.
* Involved in implementing a POC to integrate ELK Stack to an existing appliance framework for real time log aggregation, analysis and querying (Elasticsearch, Logstash, Kibana).
* Maintained Nagios for monitoring the log files, Network monitoring and the hard drives status.

Environments: Agile, JIRA, Ant, Maven, TFS, Bitbucket, Micro Focus Fortify, Jenkins, Microsoft (Including ASP, ACS, ADFS, VNETs, ARM, IAM, SAS, SAP, WCF, IIS, Web & Mobile, Blobs, Resource groups, Key Vault, Azure SQL, Redis, CouchDB, RabbitMQ) GCP, Docker, Mesos, Kubernetes, ELK stack, WebSphere, Nagios, REST API, Apache Kafka, .NET & ASP.NET.

**AWS DevOps Engineer Jul 2015 to Sep 2017**

**AbbVie Inc, Chicago, IL**

* Worked on designing and utilizing almost all of the main services of the AWS stack (like AWS CLI, EC2, S3, RDS, VPC, IAM, ELB, Cloud watch, Route 53 and Cloud Formation) focused on high availability, fault tolerance environment.
* Being an active role in application infrastructure management team, I was completely involved in setting up the new environment for Continuous Integration (CI) and Continuous Deployment (CD) in agile software methodology.
* Worked with development/testing, deployment, systems/infrastructure and project teams to ensure continuous operation of build and test systems. Implemented AWS Code Pipeline and Created Cloud formation JSON templates in Terraform for infrastructure as code.
* Implemented Installation, configuration and administration experience in continuous integration and deployment tool Jenkins, Maven, Ant and Nexus. Used ANT as build tool on Java projects for the development of build artifacts in the source code.
* Responsible for taking the source code and compiling using Maven and package it in its distributable format, such as a WAR file.
* Responsible for getting the list of issues from the components (project, module, file etc.) with the help of SonarQube and also responsible for upgradation of SonarQube using upgrade center.
* Setup code repositories with Version Control Systems like GIT, GIT HUB and managed plug-in for Jenkins for scheduled automatic checkout of code and Load balancing with F5.
* Understanding of service-oriented architecture (REST APIs, micro-services, etc.) and developed code to make API calls.
* Used Cloud Bees Jenkins for continuous integration and for End-to-End automation for application build and deployments. Used Jenkins to create CI/CD pipeline for Artifactory using the plugin provided by Jfrog.
* Created developed and tested environments of different applications by provisioning Kubernetes clusters on AWS using Docker, Ansible, and Terraform
* Worked on Installation and setting up kubernetes cluster on AWS manually from scratch. Created IAM roles for the kubernetes cloud setup.
* Created Docker images using a Docker file, worked on Docker container snapshots, removing images and managing Docker volumes. Created and managed a Docker deployment pipeline for custom application images in the cloud using Jenkins.
* Utilized Kubernetes and Docker for the runtime environment of the CI/CD system to build, test deploy. Involved in development of test environment on Docker containers and configuring the Docker containers using Kubernetes.
* Scheduled, deployed and managed container replicas onto a node cluster using Kubernetes. Worked on developing APIs using Kubernetes to manage and specify the copies of the containers to run the actual servers in the cloud environment.
* Used Cloud watch logs to move application logs to S3 and create alarms based on a few exceptions raised by applications.

**Environment:** AWS EC2, Route 53, S3, VPC, SNS, Auto scaling, ELB, Jenkins, Terraform, Kubernetes, Docker, Maven, Ansible, Nexus, Artifactory, Jfrog, Xray, Cloudbees CI/CD, SonarQube, Fortify, Nagios, API’s,Tomcat, GIT, Shell Scripts, Unix/ Linux environment.

**Dell, Austin, TX Mar 2013- Jun2015**

**Senior Azure DevOps Engineer**

* Deploying AKS and Docker applications to Azure.
* Resolving issues using Azure Monitor, Log Analytics workspace and K8 logs
* Creating respective Subnets, NSG, Routing tables, ILB ASE, App Service Plan, Web APPS & API APPS Creation.
* Creating SQL MI and migrating DB from on-prem to Azure using backpacks concept.
* Setting-up APIM, Storage Account, CDN, Redis Cache creation, APIM Configuration and CDN Configuration.
* Creating Key Vaults and configurating Access to APPs and APIs.
* Configuring connectivity between on-prem search and Azure Application.
* Set-up CI/CD pipelines for deploying artifacts to Azure APIs and Web Apps of different regions.
* Configuration of Key Vaults and automating the process of adding secrets to Azure KVs while deploying the application.
* Managed Kubernetes charts using Helm, and Created reproducible builds of the Kubernetes applications, managed Kubernetes deployment and service files and managed releases of Helm packages.
* Good experience in writing Helm Charts, Kubernetes yaml files for deployment of microservices into kubernetes clusters
* Establish site-to-site connectivity.
* Participating in work estimation discussions.
* Contributed to python library that deploys k8s clusters using helm charts, in-house tool(SSDT) for service deployments into the k8s clusters
* Analyzing on Server Requirements and Server Setup.
* Plan and Develop roadmaps and deliverables to advance the migration of existing solutions on-premise systems/applications to Azure cloud
* Analyzing requirements and delegation of tasks to team.
* Integrated payment services: PayPal, Stripe, Apple Pay
* Added Apple Watch Functionality by allowing the Express Next card to be used on the watch, and delivering other information there, such as special offers and sales
* Integrated the Express Next card into Apple Wallet
* Automation of CI/CD pipeline using ETPipes.
* Experience in writing Infrastructure as a code(IaC) in Terraform, Azure resource management. Created reusable Terraform modules in Azure cloud environments.
* Configuring, Automating and Deploying Ansible for configuration management to existing Infrastructure.
* Worked with Terraform Templates to automate the Azure Iaas virtual machines using Terraform modules and deployed virtual machine scale sets in a production environment.
* Using monitoring tools like Grafana, alert manager as Promethus, and Pager Duty for getting an alert alarm tool and creating a dashboard for monitoring in PromQL (query language) to monitor for CPU, messaging sight websites, etc.
* Worked with various monitoring services like<strong> Prometheus, Graphite and Splunk </strong>and expertise in writing queries. Building Splunk queries by Splunk Search Processing Language (SPL), Prometheus query language (Promql) and Regular expressions
* Written various custom Ansible playbooks and Modules for deployment Orchestration.
* Good knowledge and experience in using Elasticsearch, Kibana and Fluentd, CloudWatch, Nagios, Splunk, Prometheus, and Grafana for logging and monitoring.
* Established infrastructure and service monitoring using Prometheus and Grafana
* Written the <strong>Python</strong> script for <strong>Prometheus Alert</strong>-<strong>manager</strong> alerts to send and run the alerts in Linux VM
* Set up and maintained Logging and Monitoring subsystems using tools loke; Elasticsearch, Fluentd, Kibana, Prometheus, Grafana, and Alert manager.

**Environments**: Azure, Ansible, Automation, Iaas, Azure Api, Maven, Jfrog, Xray, Cloudless CI/CD

**AWS Cloud Engineer ​​​​​ Oct 2011 to Feb 2013**

**Verizon, New York, NY**

* Mastery of the Amazon Web Services (AWS) cloud computing platform, and its many dimensions of scalability - including but not limited to: VPC (Virtual Private Cloud), EC2, load-balancing with ELB, messaging with SQS, AutoScaling architectures, using EBS under high I/O requirements, custom monitoring metrics/analysis/alarms via Cloud Watch etc.
* Experienced in implementing Data warehouse solutions in AWS Redshift. Worked on various projects to migrate data from one database to AWS Redshift, RDS, ELB, EMR, Dynamo DB and S3.
* Worked on Amazon Web Service AMI EC2 Instance creation(s) and administration for both the EBS and S3 Instances.
* Configured and executed the Code quality tool Sonar and Security scanning tool Veracode
* Experienced in developing scripts using RESTful API models for the purposes of integrating workflows with AWS.
* Configure and maintain Virtual Private Cloud (VPC), NAT instances and installing Elastic Load Balancer (ELB) to monitor public and private instances inside the VPC.
* Managed Ansible Playbooks with Ansible modules, implemented CD automation using Ansible, managing existing servers and automation of build/configuration of new servers.
* Automated configuration management and deployments using Ansible playbooks and Yaml for resource declaration. And creating roles and updating Playbooks to provision servers by using Ansible. Written the Ansible YAML scripts to configure the remote servers.
* Auto scaling of Web Application instances based on Cloud watch alarms during a sudden increase in network traffic.
* Created and maintained highly scalable and fault-tolerant multi-tier AWS environments spanning across multiple availability zones using Terraform.
* Written Terraform templates, Chef Cookbooks, and recipes and pushed them onto Chef Server for configuring EC2 instances.
* Hands-on experience on Auto Build such as Jenkins, JNLP Slave Nodes, Docker, Chef, Puppet, Nexus, Artifactoy.
* Experience writing Chef Cookbooks and recipes to automate the deployment process and to integrating Chef Cookbooks into Jenkins jobs for a continuous delivery framework.
* Used IAM to create new accounts, roles, and groups and implemented and migrated applications to AWS solutions using E2C, S3, RDS, EBS, Elastic Load Balancer, and Auto scaling groups and configured.
* Implemented Nagios core for monitoring Infrastructure resources. Set up customized monitoring with Nagios, and Nagios Graph for the legacy and new environments. Automated Nagios services for the database server, web server, application-server, networks, file sizes, RAM utilization, and Disk performances using Python.
* Worked with build environments such as Jenkins, and container management systems such as Docker and Kubernetes.
* Experienced with several Docker components like Docker Engine, Hub, Machine, Compose, and Docker Registry.
* Hands-on Docker hub, creating Docker images and handling multiple images primarily for middleware installations and domain configurations.
* Provide ongoing DBA support for MongoDB, Postgres, Document DB, and Aurora databases. Used AWS Database Migration Service (DMS) to move databases within and into the cloud infrastructure. Created documentation, procedures, and standards for ongoing development work.
* Managing executive Customer relationships and key business stakeholders & delivering IT Strategy & Consulting services.

**Environment:** AWS EC2, ELB, AMI, IAM, Auto-Scaling, S3, IAM, VPC, RDS, CloudTrail, CloudWatch, Elasticache, SNS, SQS, Git, Jenkins, Ansible, CloudFormation, Terraform, Kubernetes, Docker, Maven, Chef, MongoDB, Aurora, Nagios, WebSphere, Ant, Putty, Confluence, SOA.

**TCS, Mumbai, India Mar 2008 to Aug 2011**

**Software Engineer**

**Responsibilities:**

* Worked in AWS environment, instrumental in utilizing Compute Services (EC2, ELB), Storage Services (S3, Elastic Block Storage), Elastic Beanstalk, VPC, SNS, IAM and Cloud Watch.
* Implemented a POC to use the DevOps tools offered by AWS to create a CI/CD pipeline in AWS, using Code Pipeline, Opsworks, Code Build, Code Deploy and AWS S3/Bitbucket.
* Provided security and managed user access and quota using AWS Identity and Access Management (IAM), including creating new Policies for user management.
* Designed AWS Cloud Formation templates to create custom sized VPC, Subnets to ensure successful deployment of Web applications and database templates.
* Created EBS volumes to store persistent data and mitigate failure by using snapshots. Performed Data Back-up of Amazon EBS volumes to S3 by taking point-in-time snapshots.
* Utilized Cloud Watch to monitor resources like EC2, CPU memory, Amazon RDS DB services, EBS volumes to set alarms for notification or automated actions to monitor logs for better understanding of the operations.
* Extensively used Maven tool to do the builds, integrated Maven to Eclipse and did local builds.
* Experienced in authoring pom.xml files, performing releases with the Maven release plugin, and managing artifacts in artifactory.
* Expertise in creating Chef Cookbooks/Recipes, custom resources, libraries, etc. Implemented exception handling using chef handler.
* Implemented rapid-provisioning and life-cycle management for Linux using Amazon EC2, Chef, and custom Bash scripts.
* Tested Chef Cookbook modifications on cloud instances in AWS and using Test Kitchen and Chef Spec and used Ohai to collect attributes on node. Worked on Chef DK which takes of care creating cookbooks and recipes.
* Build and configured Jenkins slaves for parallel job execution.
* Implemented Jenkins Code Deploy plugin to deploy to AWS and used to automate the build process and deploy the application to Tomcat server.
* Extensive knowledge in continuous integration tool Jenkins with different plugins like Git hub, Artifactory and SonarQube.
* Managing batch jobs in Unix for data automated import/export of data and system automation programming using Perl, Bash, Shell scripting.
* Involved in developing Splunk queries and dashboards targeted at understanding application performance and capacity analysis.
* Troubleshooting and monitoring of various proprietary Axiom and 3rd party applications using Splunk and Cloud Watch in the Amazon Web Services (AWS) environment.
* Created additional Docker Slave Nodes for Jenkins, using custom Docker Images and pulled them to ECR and monitored using Prometheus.
* Write Prometheus exporters and Telegraf plugins to create custom monitoring solution

Environment: Amazon Web Services (AWS), Jenkins, Chef, Git, Maven, Tomcat, Splunk, Nagios, Ruby, Bash, Linux.

**EDUCATION:**

Master’s In Thapar Institute of Engineering & Technology -- 2008