Sree Harsha.A

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OBJECTIVE   Experienced software professional with excellent analytical, communication and client facing skills following passion to further advance my career growth.

SUMMARY

- Having 6.9+ years of experience in IT industry as a system admin Engineer in AWS cloud , Devops tools and Linux system.
- Experience in Continuous Integration and Continuous Delivery methodologies.
- Experience in implementing dev-ops practices in an Agile scrum environment.
- Working knowledge on Distributed version control systems like Git.
- Well-versed in creating branches and merging branches based on developer's requirement.
- Good understanding of build tools like Maven for artifact creation.
- Hands on experience in Configuration, Administration of Jenkins for continuous integration.
- Experience in setting up CI/CD pipelines using Jenkins, Maven and upload them to Nexus Artifactory.
- Well-versed in creating Jenkins pipelines using groovy scripts for performing CI-CD.
- Experience in running Jenkins jobs in a distributed environment using master-slave.
- Having knowledge on Ansible for Configuration Management.
- Created Ansible playbooks & roles for configuring applications like tomcat, MYSQL etc.
- Extensively worked on Docker for environment creation.
- Created customized docker images using Docker files.
- Good knowledge on Docker Swarm for container orchestration.
- Experienced in defining and running multi-container Docker applications using Docker compose based on client requirement.
- Knowledge in working on public & private registries for storing docker images.
- Working Knowledge on Kubernetes for Orchestration of the Containers.
- Having Knowledge in creating Kubernetes manifest files like daemon sets, replica sets and deployments.

- Having Knowledge on CI/CD using Jenkins, docker & Kubernetes.
- Experience in designing and deploying AWS Solutions using EC2, S3, EBS, Elastic Load balancer (ELB).
- Good experience in web and Application server like Apache Tomcat.
- Good Hands on experience with Linux.

EMPLOYMENT HISTORY

- Worked as Asst prof for one year in SCEM ,Mangalore.
- Worked as Senior operation professional supporting L1, L2 activities in IBM India Pvt. Ltd from Oct 2014 to Sept 2018..
- Working as a service Delivery specialist under Devops team collaboratively with shared Infra teams and managing automation activities in IBM India Pvt. Ltd from Sept 2018 to present.

WORK HISTORY

Company Name: IBM, BANGALORE
OCT 2014 –Till Date

Projects:

Project Name: Bombardier Aerospace, Canada   **Client Name: FCA**
Role: L3 Admin   *Sept 2018 – till Date*
Service Delivery Specialist

Responsibilities:
- Involved in Branching, Tagging and Merging of code delivery at required releases.
- Installing, configuring and administering Jenkins CI / CD tool on Linux machines.
- Configured Build Triggers by using Poll SCM & Build Periodically.
- Worked on Build/Deploy Pipeline Setup using Jenkins.
- Integrated Jenkins with GIT, Maven.
- Build Jenkins job to deploy the maven artifact from Jenkins to Nexus repository.
- Deployed the artifact to multiple nodes by Build with parameters in Jenkins.
- Implemented the setup for Master slave architecture to improve the Performance of Jenkins.
- Worked on build tool like Maven to generate Project Artifacts and deployed War files in Tomcat application server.
- Helped Development teams automate the environment setup using tools like Ansible.
- Developed Ansible playbooks to configure, deploy and maintain software components of the existing infrastructure.

- Created Docker images using Docker files to support containerization of applications.
- Create images from docker containers and backup and migrate the container infrastructure.
- Provide environment setup by writing docker compose file.
- Design AWS infrastructure based on the application requirements using Terraform.
- Making applications more scalable and highly available system in AWS(ELB).
- Manage and configure AWS services as per the business needs (ELB, SNS, EC2, S3, Cloud Watch and VPC).
- Configured S3 buckets with various life cycle policies to archive the infrequently accessed data to storage.
- Created snapshots to take backups of the volumes and also images to store launch configurations of the EC2 instances.
- Created multiple VPC's and public, private subnets as per requirement and distributed them as groups into various availability zones of the VPC.
- Created NAT gateways and instances to allow communication from the private instances to the internet.

Project Name: Carphone Warehouse   **Client Name: CPW**
Role: L2 Admin   Mar *2015 – Sept 2018*

Responsibilities:
- Utilized GIT to manage source code developed by various platform engineers.
- Used GIT as source code management tool: creating local repository, cloning the repo, adding, committing, pushing the changes in the local repositories, saving changes for later (Stash), recovering files, branching, creating tags, viewing logs,pulling latest commits, etc.
- Worked with SVN and GIT version controls. Setting up new development branches, merging branches, facilitating the releases.
- Integrated Maven with Jenkins for Continuous Integration process.
- Configured and maintained Jenkins to implement the CI process and integrated.
- Extensive experience using MAVEN as a Build Tool for the building of deployable artifacts from source code to write Pom.xml respectively.
- Worked on installation of Docker using Docker toolbox.
- Worked on creation of custom Docker container images, tagging and pushing the images
- Automated the process of Apache Webserver installation, configuration using Ansible.

- Supported API development team in creating Ansible playbooks for deploying, integrating and monitoring their continuous integration environment.

Project Name: Broadridge   **Client Name: UK**
Role: L1 Admin   *Oct 2014 – Feb 2015*
Senior operation professional

Responsibilities:

- Administrating IT infrastructure management tools such as IBM Tivoli Monitoring V6.3.7 ,along with Netcool omnibus 7.3
- Installation and configuration of various Tivoli Monitoring Agents (such as ITM OS agent, Universal agents, unix log agent and Bluecare agent).
- Creation and Modification of monitoring Situations as per the customer requirement.
- Customizing the Monitoring Infrastructure to accommodate Bluecare monitoring solution platform. And Troubleshooting ITM Agents
- Handling Incident and Change Tickets.
- Provide technical and operational support for customers.
- Handling PMR with Tivoli support to get solutions for complex issues.
- Involved in back end configuration work for the client involved with various applications.
- Reviewing the tickets which were closed by the L1 team.
- Analyzing and preparing documents for L1 team during Infra-Weekends.
- Involved in preparing functional and technical design documents. Also involved in creating solution based knowledge article for reoccurring issues to L1/L2.
- Prepared functional test cases and unit test cases for the requirements and involved in their implementation.
- User on boarding and training programs conducted.

Applications Supported:
- BMC Remedy and BMC Remedy: Ticketing application which involved Bridging between these applications.
- CMDB & Lexicon : is a web based application which provides info about the   application and server level information and similar to CMDB but with extensive info about contacts..

SKILLS

Operating system: Linux and Windows.
Version control Systems: GIT, Git hub.
Configuration management tools: Ansible.
Build Tools: Maven.

Application servers: Apache Tomcat.
Continuous Integration Tools: Jenkins.
Cloud Technology: AWS.
Ticketing tools: ServiceNow, BMC Remedy.
Containerization: Docker, Docker Swarm, Kubernetes.
Scripting languages: Shell script, Python
Infrastructure as code: Terraform. (Learning phase)

ACHIEVEMENTS

- Received Badge – learning practitioner for my contribution towards my team and project support in the organization.
- Received Bronze Award (Q2 2016) for my contribution towards my project.

CERTIFICATIONS

- Certified as AWS cloud Practitioner Essential -CLF-C001.
- Certified in AWS security Fundamental.
- Certified in CI/CD with Jenkins,Ansible,Docker and kubernetes,
- Certified in GIT
- Certified in Oracle Enterprise Manager.
- Certified in ScienceLogic operator,ScienceLogic Dashboard, and ScienceLogic Certified Professional eLearning,
- Certified in IBM - Tivoli Monitoing - Fundamental.

EDUCATION   **Master of Technology (VLSI design and Embedded Systems)**
C.M.R Institute of Technology, Bangalore, Karnataka
Graduated 2012

DATE :   **SREE HARSHA.A**