Konam Anand
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Around 3+ years of experience in IT industry with **Multi Cloud(AWS,Azure,GCP),DevOps** (CI, CD) and strong background in Release management, Containers, Kubernetes, Build, Automation In addition also worked on Atlassian Tools like Jira, Confluence, Stash/Bit bucket and carrying experience in Build, GIT, JIRA on Linux and Windows environment.

Summary:

➢ Extensive experience in **Cloud and DevOps** operations process.
➢ Built and Deployed Java/J2EE to Kubernetes, EKS in an Agile continuous integration environment and also automated the whole process.
➢ Experience in automation practices throughout the development, build, and deployment phases of the application life-cycle.
➢ Extensively worked with distributed Version Control Systems like GIT, GITHUB, GITLAB, Bitbucket.
➢ Implemented Bit bucket and integrated with Jira (change management tool).
➢ Hands on experience with build tools like Maven, Gradle
➢ Good Expertise on IAC using Terraform and Cloud Formation
➢ Worked with different Bug Tracking Tools like JIRA.
➢ Hands on experience with Build automation/continuous Integration tools like Jenkins, Bamboo.
➢ Worked on setting up of CI pipelines using Jenkins, code deploy and bash scripts.
➢ In-Depth Knowledge in AWS Cloud platform and its features which includes EC2, S3, and EBS, ELB, RDS, Redshift, lambda, Elastic IP, IAM, VPC, Cloud Formation, Route53, Dynamo DB, ECS and managing security groups on AWS.
➢ Worked on installation of Docker using Docker Swarm and created custom Docker container images,Scanning, tagging and pushing the images.
➢ Experienced in Virtualized the servers using the Docker for the test environments and dev-environments needs and also configuration automation using Docker containers.
➢ Worked on Ansible for the deployment of servers with custom scripts.
➢ Expert in deploying the code through web application servers like WebLogic/ Apache Tomcat/JBoss.
➢ Configuration management using Ansible Playbooks and Roles
➢ Experienced in deploying Database Changes to Oracle, MS SQL Server and MY SQL databases.
➢ Integrated Jenkins, Bamboo with various Code quality tool such as Sonarqube.
➢ Ability to work closely with teams, in order to ensure high quality and timely delivery of builds and releases.
➢ Good knowledge and experience in using Elasticsearch, kibana, CloudWatch, Prometheus and Grafana for logging and monitoring.
➢ Good Interpersonal Skills, team-working attitude, takes initiatives and very proactive in solving problems and providing best solutions
➢ Automation the setup of Environment using appropriate tools/scripts.
➢ Agile Program management, Change-management, JIRA-Agile Scrum/Kanban, Bug Cycle management, SDLC design advice using JIRA.
➢ Implemented SSO across Atlassian tools. Implemented SSL for Atlassian tools.
➢ Create Customized Dashboards, JQL Filters and shared with teams and used them on gadgets.
➢ Created and modified basic workflows and advanced workflows (Conditions, Validators, triggers and Post-Functions).
➢ Migrating particular project from one instance to another instance.
➢ Familiarity with JIRA add-ons like Gantt for JIRA, JIRA Agile, Structure, Portfolio, Tempo, Confluence, Zephyr, Configuration Manager, Automation for Jira, Big Picture, AIO report etc.
➢ From local QA environment to UAT and production.

➢ Extensive experience as a Build and Release Engineer in automating, building, releasing of code from one
➢ Environment to other environment and deploying to servers.
➢ Experience in working on Source Control tools like GIT.
➢ Excellent configuration management using Cheff and Ansible. Hands on Experience on GIT Created branches, tagging and providing access Permissions Over branches.
➢ Understanding Maven Script which are build management tool for Java Project.
➢ Good experience in deploying the files in Web server and Application server.
➢ Worked on ticketing tool like JIRA & Service-now

Technical Skills:

Operating Systems	Red Hat, Linux, Ubuntu, CentOS, Windows
Ticketing tools	JIRA, Service-now
Web/Application Servers	Tomcat, Apache.
Languages	Shell Scripting, Python, Groovy,
Container Technology & Management	Kubernetes, Docker, Docker Swarm
CI/CD Tool	Jenkins, Code Deploy
Configuration Mgmt. Tool	Ansible
Build Tools	Maven, Ant
SDLC Methodologies	Waterfall, Agile
Atlassian Tools	Jira, Bit bucket, Confluence
Code Review Tool	SonarQube
Cloud	AWS, AZURE, GCP
Code Repository	jfrog Artifactory, Nexus
Monitoring and Bug Tracing Tools	Prometheus, Grafana, Jira, Elasticsearch, Kibana

EDUCATIONAL QUALIFICATION

- **Bachelor of Science in Computer Science from Mahatma Gandhi University, Nalgonda 2021, Percentage: 70%**
- **Board of Intermediate Education MPC, Pragathi Junior College, Nalgonda 2016,   Percentage: 78%**
- **SSC, Sri Prathibha High School, Nalgonda 2014, Percentage: 78%**

PROFESSIONAL EXPERIENCE

- Working as Devops Engineer with Fis, Pune from Apr 2023 to till date
- Worked as Associate with BKFS, Hyderabad Nov 2021 to Apr 2023

Project in Fis:

Client: JPMC Markets app   Apr 2023 to Present

The application is tailored for professional users, such as asset managers, hedge funds, and corporate treasurers, enabling them to make informed decisions in a fast-paced financial environment.

DevOps/Cloud Engineer

- Deploying 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.
- Handling and maintaining Azure DevOps Pipeline with ADO and Terraform.
- Maintaining Terraform for Infrastructure as Code for Azure and GCP.
- Experienced in creating AWS IAM and Security Group in Public and Private Subnets in VPC. Created AWS Route53 to route traffic between different regions.
- Launched AWS and Open Stack instances (SUSE/Ubuntu/CentOS) and Configured launched instances with respect to specific applications.
- Implementing AWS Lambda functions to run scripts in response to event in Amazon Dynamo DB table, S3 buckets, HTTP requests using Amazon API Gateway.
- Involved in creating, configuring AWS VPC services, installed EC2 instances for the new development team, and used AWS Route 53 to maintain the traffic and to create the DNS name.
- Create a custom image of an Azure VM with Azure PowerShell and create a VM scale set and deploy a high available app on Windows with Azure PowerShell.
- Experience in load balance Windows VM in Azure to create high available application with Azure PowerShell and manage Azure Virtual Network for Windows VM with Azure PowerShell.
- Experience in Backup and restore files for Windows VM in Azure cloud.
- Transformed data among servers using tools SQL Server Integration Services and BCP.
- Configured and administrated Net backup policies, which include Windows and Linux agents, VMware SAN backups, Oracle and SQL agents, and Net backup Accelerator for servers up to 380 TB in size.
- Written Python scripts and PowerShell for setting up baselines, branching, merging, and automation processes across the environments using SCM tools like GIT on Linux and Windows platforms.
- Implementing VPC, Auto Scaling, S3, EBS, ELB, Cloud Formation templates and CloudWatch services from AWS.
- Used Maven dependency management system to deploy snapshot and release artifacts to Nexus to share artifacts across projects and environments. Built applications using Maven, Gradle scripts.
- Responsible for Installing, administering, repository management, User management in Nexus.
- Involved in checking the quality of the code by using SonarQube.
- Working knowledge/exposure in TOMCAT APACHE, WEB LOGIC & WEB SPHERE, formulated and executed designing standards for DNS servers.
- Involved in security testing, Windows Server Administration (WSUS), Infrastructure Solutions, ADD and DNS.
- Web application development using Web forms, C#, VB.net, JCL, Jscript and AJAX control.
- Used SVN for source code repository, code integration, Defect tracking in JIRA and HP QC.
- Deploy application code using CI/CD pipeline with Azure DevOps in Azure cloud, scale VM build automation using Azure DevOps in Azure VM agent plug-ins.
- Worked on Performance Monitoring, resolving network issues &tuning the system using tools.
- Developing plan for problem and incident response & management process based on Information Technology Infrastructure Library (ITIL).
- Improved team performance and accelerated release cycle accelerate delivery of new features and increase overall product qualities.
- Maintaining and developing Docker images for a tech stack including Cassandra, Kafka, Apache and several in house written in both OpenStack and AWS cloud on Kubernetes.
- Used Docker and Kubernetes to manage micro services deployment.

- Used Kubernetes to create Pods, Config Maps and deployments into the cluster.
- Hands on experience on Kubernetes to automate the deployment, scaling and operations of application containers across clusters of hosts.
- Worked with containerization tool Docker and running containers and services and utilizing docker swarm.
- API to provide lightweight containers that run processes isolation and worked on creation of customized Docker container images, tagged and pushed the images to the Docker Hub repository.
- Built and deployed a Ansible Server in Azure &AWS for infrastructure automation.
- Creating Chef Cookbooks and Recipes to maintain and automate various parts of infrastructure.
- Responsible for configuration changes, code building, code staging, build automation and deployment using tools like Octopus which also includes scripting in command line, Python, PowerShell, Perl.
- Configuration on WebSphere which includes writing Linux scripts- Shell scripting.
- Continuous Integration using Maven, Jenkins, Hudson.
- Involved in migration of Artifactory & GIT server.
- Created S3 bucket to host a static website with logging and versioning and customizing the template as per the client's requirement.
- DB administration and scripting in SQL, MySQL, Oracle databases for report generation and data management.
- Created lambda and wrote lambda function in Python script to stream the data from S3 bucket to Elasticsearch.
- Customized the log monitoring for a better and convenient reading of the logs by creating the indices and passing them on to the Elasticsearch which provides a URL for Kibana access.
- Responsible for designing & deploying new ELK clusters (Elasticsearch, Logstash, Kibana, beats, Kafka, zookeeper.
- Responsible for merging, tagging and conflict resolution in GIT and administered version control systems to create daily backups and checkpoint files.

Project In BKFS:

Project : **BKFS Finanical System**
Role : **Associate**
Client : **BKFS**

Responsibilities:
- Responsible for architecting, designing, implementing and supporting of cloud-based infrastructure and its solutions.
- Proficient in AWS services like VPC, EC2, S3, ELB, Auto Scaling Groups (ASG), EBS, RDS, IAM, Docker and Kubernetes
- Experienced in creating multiple VPC's and public, private subnets as per requirement and distributed them as groups into various availability zones of the VPC.
- Kubernetes Deployment and Management from last 3year, managing, and scaling applications using Kubernetes clusters.
- Implemented horizontal pod auto scaling to automatically adjust the number of application replicas based on CPU utilization, ensuring optimal resource allocation.
- Designed and deployed applications on Kubernetes with pod anti-affinity rules to distribute replicas across different nodes for increased availability and implemented persistent volumes to ensure data durability.
- Orchestrated rolling updates of application deployments on Kubernetes, minimizing downtime by gradually transitioning traffic to new versions while monitoring for errors and automatically rolling back if necessary.
- Utilized Kubernetes ConfigMaps and Secrets to manage application configurations, ensuring a separation of sensitive information and enabling easy configuration changes across different environments
- Implemented monitoring and health checks for Kubernetes clusters using Prometheus and Grafana, enabling proactive identification and resolution of cluster issues.
- Set up and maintained Logging and Monitoring subsystems using tools like, Elasticsearch, Kibana, Prometheus, Grafana and Alertmanager.
- Established infrastructure and service monitoring using Prometheus and Grafana.

- Designed and implemented disaster recovery plans for Kubernetes clusters, including regular backups of critical data and applications using Velero for seamless recovery in case of failures
- Created NAT gateways and instances to allow communication from the private instances to the internet through bastion hosts.
- Used security groups, network ACL's, internet gateways and route tables to ensure a secure zone for organization in AWS public cloud.
- Created and configured elastic load balancers and auto scaling groups to distribute the traffic and to have a cost efficient, fault tolerant and highly available environment.
- Used IAM for creating roles, users, groups and implemented MFA to provide additional security to AWS account and its resources.
- Written cloud formation templates in Json to create custom VPC, subnets, NAT to ensure successful deployment of web applications.
- Implemented domain name service (DNS) through route 53 to have highly available and scalable applications.
- Maintained the monitoring and alerting of production and corporate servers using Cloud Watch service.
- Created EBS volumes for storing application files for use with EC2 instances whenever they are mounted to them.
- Implemented and designed AWS virtual servers by Ansible roles to ensure deployment of web applications
- Experienced in creating RDS instances to serve data through servers for responding to requests.
- Created snapshots to take backups of the volumes and images to store launch configurations of the EC2 instances.
- Responsible for Continuous Integration and Continuous Delivery process.
- Used AWS Lambda to run servers without managing them and to trigger and run code by S3 and SNS.
- Implemented Cloud Trail to capture the events related to API calls made to AWS infrastructure.
- Developed installer scripts using UNIX for various products to be hosted on Application Servers.
- Implementation using Jenkins along with Python and Shell scripts to automate routine jobs.
- Created function in Lambda that aggregates the data from incoming events, then stored result data in Amazon Dynamo DB and S3.
- Implemented Continuous Integration using Jenkins and GIT from scratch.
- Implemented Sonarqube in Kubernetes as well using helmcharts.
- Designing and implementing for fully automated server build management, monitoring and deployment by Using DevOps Technologies like Ansible, Puppet.
- Responsible for design and maintenance of the GIT, Stash Repositories, views and the access control strategies.
- Created and maintained various Nodes/Slaves in Jenkins for effective light weight Build farm.
- Configured Git with Jenkins and schedule jobs using Poll SCM option.
- Implemented a GIT mirror for SVN repository, which enables users to use both GIT and SVN.
- Experience with build tools Ant, Maven and writing build.xml and pom.xml respectively.
- Expertise in querying RDBMS such as Oracle DB 11g, DB2 for data integrity and verifying
- Created Puppet manifests, profiles and roles module to automate system operations.
- Assist with maintaining current build systems, developed build scripts, and maintained the source control system.
- Experience in monitoring System/Application Logs of server using DataDog, CheckMk to detect Prod/Non- Prod errors etc.
- Debugged build failures and worked with developers and QA people to resolve the related issues.
- Coordinated release activities with Product, QA and development team to ensure a smooth release.

Environment: AWS (EC2, VPC, ELB, S3, EBS, RDS, Route53, ELB, Cloud Watch, CloudFormation, AWS Auto Scaling, Lambda, Elastic BeanStalk), GIT, Jira, AWS CLI, Unix/Linux, , Shell scripting, Jenkins, Terraform, Nginx, Tomcat.