

Chetna

Profile Summary

To be associated with an IT firm that provides career development opportunities which shall yield the twin benefits of job satisfaction and a steady-paced professional growth.

Professional Summary

- Having 5 + years of experience as a DevOps Engineer in Software Configuration, Build and Release Management, Networking, Security, F5.
- Good understanding of Python, java, Azure Cloud products like Virtual Machines, Storage Accounts, Application Insights, Automation Accounts, Databases, Networking and IaaS/PaaS resources.
- Designed and developed Unit Tests, continuous deployment pipelines (CI/CD) in Azure DevOps.
- Expertise in Setting up Application team environments in Azure.
Expertise in using AWS services including EC2, Auto Scaling in launching EC2 instances, Security Groups, ELB, S3, EBS, AMI, Jenkins, CloudFront, GCP, IAM , GKE, Git, Docker, SRE, Terraform, GitOps, ArgoCD, EC2, VPC, DNS, Grafana, CI/CD pipelines. RDS, VPC, SNS, SQS and Direct Connect.
- Expertise in writing Automation Scripts using scripting languages (Grafana, Bash) to automate/administrate/manage Cloud environment resources.
- Expertise in writing Unit Tests, Jenkins ARM templates using JSON.
- Good understanding and experience with object - oriented programming OOP languages like Java, C#.
- Experience of using TFS (aka Azure DevOps) pipelines (CI/CD) for development and collaboration.
- Member of cost optimization project and saved more than 1 million.
- Hands-on administrative experience with the installation of packages on Windows and Linux operating systems. Excellent experience in documenting and automating the build and release process.
- Used Stack Driver and pipelines (CI/CD) GCP, IAM , GKE, Docker, monitoring extensively to monitor and debug the cloud-based, Git, DevOps, Docker, SRE, Terraform, GitOps, ArgoCD, EC2, VPC, DNS, Grafana, AWS EC2 services.
- Deployed Azure IaaS virtual machines (VMs) and Cloud services (PaaS role instances) into secure VNets and subnets.
- Deployed pipelines (CI/CD) Azure resource manager-based resources.
- Implemented Security in Web Applications using Azure and deployed Web Applications to Azure.
- Familiar using Dependency Visualization Unit Tests in Azure migrate for deep analysis and identify application dependencies.
- Worked with Client team to build flow diagram for existing Training environment.
- Did pilot migration of Dev/Test Unit Tests workloads via lift & shift to Azure using Azure Site Recovery. Good understanding of pipelines L (CI/CD) GCP, Git, DevOps, IAM , GKE, Docker, products like GCP, CI/CD pipelines , Couchbase, VM, Linux, Lambda.
- Strong understanding of the principals and best practices of Software Configuration Management in Kanban, Agile, Scrum methodologies.
- Experience in configuration management tools like Ansible and Chef.
- Broad experience in Unit Tests working with Linux, Windows, Jenkins, Mac-OSX and Debian environments.
- Efficient in communication, documentation, and problem identification.

Technical Skills

Languages/Scripting: Python, Java, Grafana, C#, JSON, HTML, Shell, GCP, IAM, GKE, Docker, SRE, Terraform, GitOps, ArgoCD, EC2, VPC, DNS, Grafana, PHP, PHP, Ruby, Perl, Java, Spring Boot

Azure Services: VMs, Storage Accounts, Data Factory, Function Apps, Web Apps, SQL Server, V-Nets, Virtual Gateways, Net App File Shares, Logic Apps, Runbooks, F5 Big IP.

AWS Services: EC2, ELB, VPC, RDS, AMI, IAM, SQS, EBS, Route 53

Continuous Integration Tools: Jenkins, Bamboo, Team City.

Continuous Deployment Tools: Docker, Kubernetes Clusters.

Operating System: Red Hat, Ubuntu, Windows, CentOS, Debian Family

Cloud Environments: AWS, Azure.

Bug Tracking Tools: Jenkins, Azure DevOps, GCP, JIRA

Configuration Management Tools: pipelines (CI/CD), Chef, Puppet, Ansible

Databases: Oracle, MySQL, MongoDB, SQL Server, MS SQL, NoSQL, Cassandra DB, DynamoDB

Version Control Tools: GIT, GCP, TFVC

Web Servers: Apache, Tomcat, Web Sphere, JBoss, WebLogic

SDLC: Kanban, Agile, Scrum

KEY Project Details

TheRapidHire (Pvt) Ltd: Indore, Madhya Pradesh

03/2023 – Present

Project # 1

Position : DevOps Engineer

Project : IT Greeks

Skill sets : DevOps, Microsoft Windows Azure, Spring Boot, Windows Server, GCP, IAM, GKE, Docker, SRE, Terraform, GitOps, ArgoCD, EC2, VPC, DNS, Grafana, Automation Accounts, Logic Apps, Windows Grafana, Unit Tests JSON, Shell, Pester.

Roles and Responsibilities:

- Working on Azure Cloud Platform with Kanban Methodology.
- Automated various infrastructure activities like Continuous Deployment using Ansible playbooks and has Integrated Ansible with Jenkins on AZURE.
- Involved in combining all Release pipelines into Unit Tests Single Release pipeline. We used AZURE DevOps, VSTS & PCF CI/CD pipelines.
- Corteva Azure Architecture is Read Only through Portal. Utilized PIM for troubleshooting critical application issues. Creation of resources Unit Tests will be through Azure DevOps release pipeline using contributor SPN role.
- Managing Windows and Linux servers, troubleshooting IP issues and providing support to multiple Application teams.

- Designed and configured Azure Virtual Networks (V-Nets), GCP, Subnets, GCP, IAM , Git, DevOps, GKE, Docker, SRE, Terraform, GitOps, ArgoCD, EC2, VPC, DNS, Grafana, Azure Network Security Groups, DNS Settings, Security policies and Routing.
- Written runbooks in PowerShell Unit Tests and deployed using CI/CD, DevOps to Automation Accounts. Release pipelines use Azure AD Application Registration service principal in the Azure DevOps service connections for authentication to Azure. GCP, IAM, GKE, Docker, SRE, Terraform, GitOps, ArgoCD, EC2, VPC, DNS, Grafana, Runbook uses connections for Authentication.
- Implemented custom application support RBAC role and written automation script for assigning this role to specific environment based on PROD and Non-PROD resource groups.
- Effectively using Log Analytics workspace and good understand/experience with Kusto Query Language.
- Written Shared ARM templates V2 and stored in storage accounts, these templates will be referred by application team ARM templates for deploying security and custom domain extensions.
- Written unit test cases using Pester framework and integrated unit tests and runbooks in the Az DevOps Build pipelines.
- Implemented Azure Policy Custom to Deploy SQL DB retention day to 21, if the retention days is less than 21.
- Written Automation scripts in Grafana, which make API calls to Azure DevOps and find users who have not accessed Azure DevOps for more than 90 days (Cost Optimization Project).
- Using Infrastructure as Code pattern iMac Unit Tests to automate the Architecture.
- Configured WAF with HA for Reverse proxy in Azure platform and exposed VMs and cloud services to the Internet.
- Configured Forward Proxy and Unit Tests Reverse Proxy setup by utilizing F5 BIG-IPs in Azure Cloud platform.
- Installing Microsoft Monitoring Agent MMA CI/CD pipelines using Automation scripts.
- Implementing custom RBAC roles and assigning Role Based Access Controls (IAM) for users and groups using Automation and managing permissions.
- Configured Cloud Network Architecture using Azure Virtual Networks, VPN and Express Route to establish connectivity between on-premise CI/CD pipelines and Cloud.
- Configured NetApp File Shares in Central US and assigned volumes to multiple applications.
- Developing PowerShell scripts and ARM templates to automate the provisioning and deployment process.
- Installed patches on Windows and Linux servers using Automation scripts.

Project # 2

Project : **RIL**

Skill sets : DevOps, CI/CD pipelines, Spring Boot, Subversion (SVN), GCP, CHEF, Docker, Vagrant, EC2, Ansible, JIRA, LINUX, RHEL, SNS, SQS, Kubernetes, GCP, IAM , GKE, Docker, , GIT, Jenkins, Tomcat, Java, Azure TFS, Azure VSTS, Visual Studio, Visual Studio Code, Git Bash, Python.

Roles and Responsibilities:

- Created CI/CD Pipelines in Azure DevOps environments by providing their dependencies and tasks. Also have experience on implementing and managing continuous delivery systems and methodologies on AWS and created END-END Unit Tests Automation with CI Procedures using Jenkins & automated Maven builds by integrating them with Continuous Integration tools Jenkins
- Hands-on experience Designing, planning and implementation for existing on-premise applications to AZURE Cloud (ARM), Configured and deployed Azure Automation Scripts utilizing Azure stack Services and Utilities focusing on Automation.
- Developed builds and deployment Unit Tests scripts using ANT and MAVEN as build tools.
- Authoring pom.xml files, performing releases with the Maven release plugin, and managing artifacts in Sona-type NEXUS repository
- Configured and implemented storage blobs and Azure files - Created Storage accounts, Configured the Content Delivery Network (CDN), CI/CD pipelines custom domain, Managing access and storage access key.
- Used Docker for setting Azure Container Registry with Docker and Docker-compose and actively involved in deployments on Docker using Kubernetes.
- Used Azure Kubernetes service to deploy a managed Kubernetes cluster in Azure and created an AKS cluster in the Azure portal, with the DevOps, GCP, IAM, GKE, Docker, SRE, Terraform, GitOps, ArgoCD, EC2, VPC, DNS, Grafana, , also used template driven deployment options such as Resource Manager templates and Terraform.
- Designing and implementing fully automated Server build management,
- Major focus on Configuration, SCM, Couchbase, VM, CI/CD pipelines Linux, Build/Release Management, Infrastructure as a code (IAC) and as Azure DevOps operations Production and cross platform environments.
- Experienced in working on DevOps /Agile operations process and tools area (Code review, unit test automation, Build & Release Unit Tests Automation Environment, Incident and Change Management) including various tools.
- Worked on deployment automation of all the micro services to pull image from the private Docker registry and deploy to Docker swarm cluster using Ansible.
- Experienced in building, deploying and integrating Java-based web applications in a UNIX, including exposure to J2EE/.NET architecture (especially BEA Web Logic, Tomcat and WebSphere).
- Profusely worked on Version control tools GIT, CI/CD pipelines clear case to track changes made by different people in source code involving concepts like Branching, Merging and Tags.
- Experience in software build tools Unit Tests like Apache Maven and to write Pom.xml and Build.xml respectively using build plugins in maven.
- Installing and configuring the applications like docker tool and Kubernetes for the orchestration purpose
- Developed and managed cloud VMs with AWS EC2 command line clients and Services AWS provisioning and worked on services like EC2, CI/CD pipelines, S3, GCP, IAM, GKE, Docker, SRE, Terraform, GitOps, ArgoCD, EC2, VPC, DevOps, ELB (Load Balancers), RDS, SNS, SWF and EBS.

Position : **DevOps Engineer**

Project # 1

Project : **SHANGUL**

Skill sets : Azure DevOps, Unit Tests Spring Boot, CI/CD, GCP, Kubernetes, Docker ACS & AKS, Prometheus, Splunk, Terraform, Ansible, Jenkins, Git, Azure Boards, Maven, Python, Grafana, YAML, VSTS, Visual Studio Code, Tomcat, Nginx, Linux, Windows servers.

Roles and Responsibilities:

- Responsible for implementing containerized based applications on Azure Kubernetes by using Azure Kubernetes service (AKS), Kubernetes Cluster, which are responsible for cluster management, Virtual Network to deploy agent nodes, Ingress API Gateway, Jenkins, MySQL Databases and Cosmo DB for stateless storage of external data, and Unit Tests setup reverse proxy Nginx in the cluster.
- Deployed and optimized two tier Java, CI/CD pipelines web applications to Azure DevOps CI/CD to focus on development by using services such as Repos to commit codes, Test Plans to unit test, deploy App Service, Azure Application Insight collects health performance and usage data of the process, stored artifacts in blob storages.
- Managed Azure Infrastructure Azure Web Roles, Worker Roles, Couchbase, VM, Linux, SQL Azure, Azure Storage, Azure AD Licenses.
- Virtual Machine Backup and Recover from a Recovery Services Vault using Azure PowerShell and Portal.
- Managed labeling, branching strategies in Jenkins, Git/GitHub with best practices in addition to resolving conflicts with regards to merging and editing files in the repository.
- Server less framework for deploying Multiple Lambda Functions, IAM Roles API Gateway and containerizing those Functions in such a Unit Tests way that So that can be Platform Independent.
- Composed Cloud formation templates for creating infrastructure in such a way that it can be used creating stacks in different Environments by just changing the Parameter Values in the AWS Environment.
- Created ELB Security Groups, Auto Scaling Groups, spun up GPU Large Instances, ECS Clusters Which Consist of Task Definitions, CI/CD pipelines, ECS Services By using single CloudFormation Template.
- Used Terraform Configuration files for creating AWS infrastructure which consist of API Gateway, Elastic Load balancers (Network and Application), IAM roles, DNS using Route 53 services, Multiple ECS Clusters.
- Implemented Docker Swarm to deploy load balance, scale and manage docker containers with multiple names spaced versions and integrated Cluster Management with Docker Engine using Docker Swarm.
- Evaluated Kubernetes for Docker Unit Tests container orchestration.
- Managed Kubernetes charts using Helm and created reproducible builds of the Kubernetes applications, templatize Kubernetes manifests and provide a set of configuration parameters to customize the deployment and Managed releases of Helm packages.
- Implemented Jenkins pipelines into Azure pipelines to drive all micro services builds out to the Docker registry and then deployed to Kubernetes, Created Pods and managed using AKS.
- Developed Build and Deployment Scripts using build tools MSBuild, Maven in Jenkins to migrate from one environment to another environment and utilized Nexus, Maven, SonarQube.

- Implemented relational Databases, GCP, IAM, GKE, Docker, SRE, Terraform, GitOps, ArgoCD, EC2, VPC, DNS, Grafana, , NOSQL Database Management systems like GCP, MySQL, MSSQL, Oracle, L, Cassandra, Couchdb and Mongo DB.
- Coordinate with vendors like Unit Tests Atlassian, JFrog to review system information, troubleshoot Level 1 to Level 3 issues, reports bugs and submit improvements.

Project # 2

Project : SKY-9

Skill sets : AWS DevOps, Kubernetes KOPS, CI/CD, Azure, GCP, Docker ECS, CloudFormation, VPC, CloudWatch, Terraform, Ansible, Unit Tests, Jenkins, Git, Jira, GCP, IAM, GKE, Docker, SRE, Terraform, GitOps, ArgoCD, EC2, VPC, DNS, Grafana, , Shell, Bash, Windows server 2012.

Roles and Responsibilities:

- Implemented AWS solutions Unit Tests like Route 53, EC2, GCP, S3, IAM, EBS, Elastic Load Balancer (ELB), Security Group, Auto Scaling in Cloud Formation JSON templates. Created snapshots and Amazon machine images (AMI) of the instances for backup and created access Management (IAM) policies for delegated administration within AWS.
- Performed Web logic Server administration tasks such as installing, configuring, monitoring and performance tuning on Linux Environment, maintaining security by installing and configuring SSH encryption to access on Ubuntu and RHEL Linux.
- Written Templates for AWS infrastructure as a code using Terraform and CloudFormation to build staging and production environments.
- Earned a reputation for designing GCP, IAM, GKE, Docker, deployment strategies that mitigate risk while meeting infrastructure, employee, customer and budgetary needs
- Implemented Docker Swarm to deploy load balance, scale and manage docker containers with multiple namespaced versions and integrated Cluster Management with Docker Engine using Docker Swarm.
- Built an entire Docker Swarm using a single disk image by deploying both Manager and Worker nodes during runtime.
- Use Kubernetes to deploy Docker, GCP, IAM, GKE, Docker, SRE, Terraform, GitOps, ArgoCD, EC2, VPC, DNS, Grafana, containers into Pod Clusters on multiple Nodes in QA, Test and Production Environments
- Built Jenkins jobs to create AWS infrastructure from GitHub repos containing Terraform code and administered/engineered Jenkins for managing weekly Builds and integrated Jenkins with various DevOps tools such as Nexus, CI/CD pipelines, Unit Tests, Chef etc.
- Automated various infrastructure activities like Continuous Deployment, Application Server setup, Stack monitoring using Chef Cookbooks and has integrated chef with Jenkins.
- Also, Created and maintained continuous integration (CI) using tools Jenkins over different environments to facilitate an agile development process which is automated enabling teams to safely deploy code repeatedly.
- Used ELK stack (Elasticsearch, Logstash, Kibana) and troubleshooted the build issues with ELK and work towards the solution and configured network and server monitoring using Grafana, ELK Stack with Log spout and Nagios for notifications.

- Planned release schedules with Unit Tests, agile methodology & coordinated releases with engineering & SQA for timely delivery.

Declaration: -

I hereby declare that the information given above is true and up to the best of my knowledge and belief.

Chetna