

Nikhil Kumar.G

+91- 9390488706

nikhilkumarpython@gmail.com

Professional Synopsis:

- 8.1 years of experience into AWS and Azure Build, Deployment, Release management, Configuration management Networking and security Tools Engineering, and Site Reliability Engineer Cloud Devops.
- Experience in working with Scrum Framework of Agile Project Life Cycle Model.
- Hands on experience on linux machines, and created users and security passwords.
- As a Lead Engineer Devops Worked on EDA Implementation for ADP Inc. Products successfully automated Deployed network infrastructure across different data centers and azure cloud.
- Have 2.3 years of people manager experience in networking and devops projects.
- Worked on AWS Kubernetes Services and created clusters setups across different data centers.
- Expert in Cloud Technologies like Amazon Web Services **DATABASE, DYNAMO DB, STORAGE and Networking and security deployment practices and troubleshooted Issues.**
- **Azure deploy scaled services with Best networking and security tool Practices.**
- Strong working experience on windows machines and linux environment with Java/.net. Worked on different code issues and automated infrastructure networking and security deployments.
- Having good exposure in Jenkins for CI (Continuous Integration) and Continuous Deployments CD)
- Document system configurations, **Instance, OS, and AMI** build practices, backup procedures, troubleshooting guides, and keep Network and tools and architecture drawings current with changes.
- Created and guided team members on best devops infrastructure and networking tools practices.
- Worked with Microsoft team on networking and security issues and updated patch activities through simple pipeline CI/CD Creations.
- As a Lead Engineer responsible for devops practices and troubleshoot the linux environments and windows machines as well.
- Worked on mongo db lightening and query tuning and performance tuning and replication.
- Having good hands on experience with Configuration Management tool Ansible and terraform.
- Ability in development and execution of **RUBY, PYTHON and SHELL** scripts.
- Having well hands on experience with version control systems like GIT.
- Working Experience on Docker & Kubernetes, building Docker images to deploy application on Docker containers.
- Hands on experience on aws Dynamo DB setup for products and also worked on mongo db configurations and replica setup.
- Working experience in log management, monitoring system tools like ELK & **Nagios and DATADOG.**
- Ability to work as part of team as well as individual.
- Conduct Training and KT's to new joiners in organization on Cloud Platform and Devops Practices.
- Troubleshoot complex network **TCP IP/DNS, POS**, and system issues
- Worked on Event Driven Automation for ADP Product.
- Automated entire workflow process for web/app servers, and created automations for deploying network infrastructure and Load Balancer Setup.

Certified AWS Solutions Architect Associate.

Certified Linux Admin.

KEY SKILLS & EXPERIENCE:

Cloud Services : AWS, AWS Lambda, Cloud Formation Template Creation, AZURE ARM templates.

Operating Systems: Linux, Windows, Macintosh OS UNIX

Config Management tools: Ansible, Terraform, Chef

Scripting and Programming:

Python, groovy, Java, PowerShell Scripting.

Version Control Systems: Git and Github

Build Tools: ANT, Maven

Continuous Integration tools: Jenkins .

Artifactory Management: Nexus

Ticketing Tool: Jira, Service Now.

Application Servers: Jboss, Tomcat, Weblogic

Virtualisation: VMWare, Docker, Amazon EC2

Monitoring Tools: Nagios, Splunk.

Networking : TCP/IP, DNS, Elastic IP, Proxy Settings, Networking and Tools Engineering.

Container Technology : Docker, Kubernetes, Openshift

ADP Inc.
Hyderabad
June 2017 to Till Date
Site Reliability
Engineer

Project Name: ADP Product, USA

Duration: April 2018 to 2019

Responsibilities:

- Worked on AWS Cloud platform and AWS Kubernetes services and implemented build and release infrastructure.
- Worked on linux environment and fixing all issues as a Site Reliability Engineer. Worked on load balancer setups and fixed network latency issues.
- As a DevOps Engineer troubleshooted the environment issues, and given best practices to team members.
- Proven experience on team management and vendor management in SAAS Product.
- Worked on AWS MIGRATIONS and Kubernetes Services for ADP Project.
- Implemented Authorization and Authentication for ADP Inc products.
- Created and deployed networking and security infrastructure practices in different data centers.
- Worked on end to end network issues and load balancer setups on azure cloud platform.
- System configuration is committed to a git repository and automated/orchestrated to the extent practical
- Created documents in detailed and easy to follow for operational efficiency and team scalability
- Created a secure continuous delivery system using git and encryption to ensure integrity of developer commits prior to deployment and executed and written power shell scripts for windows servers.
- Given best DevOps practices to team members. CI/CD by using JENKINS pipeline Implementations.
- Implemented EDA(Event Driven Automation) for ADP Applications.
- Worked on Java Based UI Applications.
- Worked on Kubernetes and AWS Data Storage and given Product Explanation to stakeholders.
- Individual Contribution to the design and development of product features and backend services.
- Worked with multiple cross-functional agile teams of engineers, product managers and architects to deliver key results for Business
- Ability to triage issues and identify the perform root cause analysis.
- Ability to operate in the high-pressure environment and troubleshoot complex issues quickly successfully handle multiple priorities and people allocation on priority tasks.
- Worked on Kubernetes Cluster management and DR drills as well and automated entire networking and security practices.

Project Details

Project Name: ADP Product, USA

Duration: April 2017 to 2018

Environment: AWS, Python, Ansible, Elastic Search, Docker and Kubernetes with Git, Jenkins, Openshift

Role: Lead DevOps Engineer

SRE Chapter

Project Description: ADP Product is an application that provides the HR and payroll features to clients in the UK, Germany, Netherlands, Italy and Spain in EMEA. China and Singapore in APAC. It integrates with Vista application for payroll processing for Singapore region. In other country it's integrated with oneservice, payisys etc.

Responsibilities:

- Worked exclusively on making applications more scalable and with ansible playbooks, and highly available system in AWS (load balancing) with full automation.
- Worked as a part of AWS build team.
- Merging all developer working copies with shared mainline server for Continuous Integration.
- Build and release EC2 instances Amazon Linux, Redhat and Windows for POC, Development and Production environment.
- Setup and configured EIP to EC2 instances and worked on LAMBDA Services.
- Setup and managed security groups, VPC specific to environment.
- After built the code use Beanstalk for deployment
- Setup and managed backup and recovery using snapshot.
- Managed Overall PaaS Setup With Azure.
- Worked on end to end setup and troubleshooted the microservices issues in linux environment

Intelenet Global Services Private Limited, Hyderabad
Jan 2013 to May 2017

Sr Analyst

Project Details

Duration : SEP 2015 to May 2017

Environment : Python, Tomcat 9.0, Jenkins 2.0, Git and Ansible, AZURE, AWS Elastic Search. Networking Issues,

Role: SR Devops Engineer Project

Description:

Worked on web-based enterprise solution for managing the entire employee recruitment to payroll process from a single interface. The product is widely useful to plan organizational budget, salaries, employee position and helps develop best practice for compensation, promotion, hiring and layoffs.

Responsibilities:

- Creation of new repositories in Git as per the Project Requirement.
- Worked on Ansible Playbooks.
- Involved in Source Code management GIT-Branching, Merging, Release tagging, GitStash and Git Rebase
- Worked on AZURE Resource Manager Templates, AKS and also AWS API Gate way.
- Administering the user's access privileges to the developers in SCM
- Install and configure Jenkins tool on Linux platform and installing Jenkins plugins.
- Configuration of build jobs in Jenkins and responsible for tracking of build issues.
- Drive the release cycle on different environments (Dev, Test, QA, Stage and Prod)
- Worked on different network and security issues and created automated procedures.
- Building Docker images for our service, running the build container and compiling the service.
- Developing scripts for Jenkins to deploy the application in Docker Container.
- Performed Unit test cases in production environment.
- Provided after-hours on-call support by participating in the on-call rotation.
- Installed new software releases, system upgrades and resolve software-related problems.
- Configured remote backup & automated through script.
- Developed Shell for system administration activities

Project name : GOVT PROJECT DIGITAL TRANSFORMATION RTO.

Duration : June 2013 to Aug 2015

Environment : JDK 1.6, Spring, Weblogic 10.3, Jenkins, Git, Network Troubleshooting.

Role : Cloud support engineer

Project Description:

Central govt project and related to RTO.

- 1) Worked on Azure Cloud setup on windows machines and linux environments.
- 2) Worked on Load balancer setup on azure as a cloud platform
- 3) Setup Network and Security on azure based cloud environment
- 4) Worked with cross functional team and troubleshooted network and load balancer issues
- 5) Worked on chef cookbooks for infrastructure as a code
- 6) Created devops best practices for infrastructure. and setup network and security practices.

Responsibilities:

- Working on AZURE Cloud Solutions and Worked closely with Microsoft team.
- Building the Artifacts and deploying into Application servers and setup network and security certificates.
- Deploying the Ear and War files in various Environments.
- Worked on playbooks and cookbooks in chef as a configuration management tool.
- Created Jenkins Pipelines for networking and security deployments with the Jenkins jobs.
- build and deployment process.
- Building War/Ear files using Ant Script
- Writing a UNIX Shell Script and schedule in the respective run levels for automate day-to-day activities such as auto start application server.

Qualification:

Post Graduate Mtech from KITS Warangal, affiliated to Kakatiya University.

