

**PAVAN KUMAR KALLE**

**Data&DevOps Engineer**

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## PROFESSIONAL SUMMARY

- 5 years of expertise in IT Professional and knowledge of the Manual-Automation, DevOps culture and Agile principles.
- Create, manage and provisioning infrastructure on On-prem using VM ware tools like Vsphere, Hypervisor and Bare-metals.
- Expertise in IT Professional and knowledge in Building, Automating, Deploying, and Release of cloud-native applications and expertise in different Cloud platforms AWS, Microsoft Azure and Google Cloud platform
- Extensive experience in migrating services, application and Databases from on-prem to clouds of AWS and Azure.
- Experience in formation of IAAS and PAAS in AWS and GCP with technologies like CloudFoundry, Kubernetes(k8s) and Hashicorp's Terraform.
- Developing and maintaining codified application deployment environments.
- Excellent knowledge of Microservices, Client/Server architecture, OSI layers, TCP/IP networks.
- Good understanding of Network Topology (LAN/WAN/Subnets/VPN/Firewalls).
- Extensively involved in sketching architectures for cloud-native, hybrid cloud and micro-service-arch based Applications.
- Development and maintenance skills of an organization by adopting cutting Edge technologies of the market.
- Scheduled, deployed, and managed container replicas onto a node cluster using Kubernetes.
- Involved in creating K8s, Ansible manifests, linux- shell and Jenikins groovy scripts.
- Linux administration & Windows Administration.
- Experience in configuring Attunity Enterprise manager (now called Qlik) for Replication and orchestration of data from different sources of both RDBMS and DBMS to Destinations of databases maintained in AWS and Azure.
- Experienced in automating, configuring, and deploying instances on AWS cloud environments.
- Experience on working with Docker containers infrastructure and Continuous Integration for building and deploying Docker containers.
- Creating Docker images from scratch and customizing them as per the requirement, along with that working on Docker containers, directory structure and removing Docker images.
- Worked with Docker on multiple cloud providers, from helping developers build and containerize their application (CI/CD) to deploying either on public or private cloud.
- Administered Jenkins continuous integration server installation and configuration, to automate application packaging and deployments.

- Experience in Administration/Maintenance of Source Control Management Systems such as git and SVN.
- Managing users and groups using the AWS's Identity and Access Management (IAM)
- Experience on Application Performance Monitoring technologies – New Relic and ELK Stack.
- Experience in building & deploying artifacts on test, stage & production servers.
- Configuring and maintaining web servers like HTTP Web Server, Apache Web Server, and Web-Sphere Application Server on Red Hat Linux.
- Good Knowledge of using different protocols like FTP, SFTP, SSH, HTTP, HTTPS.
- Knowledge on Development technologies like Angular, java, maven, spring-framework and app generator Jhipster.

#### Technical Skills:

<b>O/S and servers</b>	Windows, Linux distributions like Ubuntu, RHEL, CentOS and Amazon Linux, Fedora
<b>Source control</b>	Subversion & git   bitbucket, AWS codeComit, AzureRepos
<b>Build and Config. Management tools</b>	MAVEN, Ansible, Chef, Nexus
<b>CI Tools</b>	Jenkins, AWS codeDeploy, Azure Pipelines
<b>Repositories</b>	Nexus, Docker Registry
<b>Languages</b>	Shell scripting, Python, SQL, core Java.
<b>Web servers</b>	Apache HTTP Server, Nginx and Apache Tomcat
<b>Virtualization and Containerization</b>	Docker, Kubernetes, and Cloud Foundry, BOSH, VM ware
<b>Cloud &amp; Cloud-formation</b>	AWS, Microsoft Azure and Terraform

#### Professional Experience:

##### **Broadridge Financial services pvt ltd**

Feb 2021 to Present

**Role:** Cloud & DevSecOps Engineer

##### **Responsibilities:**

- Create, manage and provisioning infrastructure in AWS using Terraform
- Managing and creating AWS fargate cluster
- Working with broad range of AWS, Cloud Services like EC2, ELB, Auto Scaling, Route 53, S3, AMI, SNS, Cloud Watch and have in-depth knowledge on other cloud services.
- Configured Elastic Load Balancer (ELB) with EC2 Auto scaling groups. Created monitors, alarms, and notifications for EC2 hosts using Cloud-Watch.
- Creating and managing the Jenkins pipelines for deploying terraform code.

- As a part of Infrastructure management team, completely involved in setting up the new environment for Continuous Integration (CI) and Continuous Deployment (CD) in agile software methodology.

**Donyati llc., Bangaluru, India.**

Sep 2019 to Oct 2020

**Role:** Cloud & DevOps Consultant

**Client:** Argo re-insurance (<https://www.argolimited.com/>)

**Responsibilities:**

- Desire to define and lead the effort to implement quality requirements and processes.
- Create, manage and provisioning infrastructure in AWS using aws & cloudFormation for creating and managing and orchestraion for creating Data lake.
- Managing and creating Kubernetes clusters in AWS and Azure.
- Working with broad range of AWS, Cloud Services like EC2, ELB, Code Comit, Code Deploy, Auto Scaling, Route 53, S3, AMI, SNS, Dynamo DB, Elastic search and Cloud Watch and have in-depth knowledge on other cloud services.
- Implemented AWS solutions using EC2, S3, Elastic Load Balancer, Auto scaling groups, Optimized volumes and Container Services ECR, ECS and EKS.
- Configured S3 to host static web content.
- Assigned and managed roles for users and groups by defining policies via Identity and Access Management.
- Configured Elastic Load Balancer (ELB) with EC2 Auto scaling groups. Created monitors, alarms, and notifications for EC2 hosts using Cloud-Watch.
- Used AWS CLI to create new instances and manage existing instances.
- Costing, designing, building, and managing the infrastructure environments needed for the projects in the AWS hosting platform.
- As a part of Infrastructure management team, completely involved in setting up the new environment for Continuous Integration (CI) and Continuous Deployment (CD) in agile software methodology.
- Using Amazon Elastic Beanstalk, automatically handling the deployment, from capacity provisioning, load balancing and auto-scaling along with SQS, SNS, SWF services to application health monitoring.

**Environment:** Attunity Enterprise Manager, RedHat Linux, bitbucket, Jenkins, Kubernetes, Ansible, Microsoft Azure, AWS, Auto Scaling, Shell Scripting, Linux & windows servers.

**Xangars Sloutions, Mumbai & 3i Infotech, Hyderabad, India**

Sep 2016 to Sep 2019.

**Role:** Automation & DevOps Engineer

**Client:** CRISIL Ltd.

**Responsibilities:**

- Desire to define and lead the effort to implement quality requirements and processes.
- Working with automation testing frameworks and Jenkins.
- Testing Docker containers and orchestration-based products.
- Creating Docker images from scratch and customizing them as per the requirement, along with that working on Docker containers, directory structure and removing Docker images.
- Developed scripts using Bash and Shell scripting.
- Installing/Configuring/Administering/Monitoring of Bitbucket and Jenkins on RHEL Linux 7.0 environment.
- Designed Continuous Integration & Continuous Delivery pipelines using Jenkins.
- Setting up Continuous Integration environment using Jenkins and set the new Jenkins server and slave machines to support machines to support.
- Worked with build pipeline set up for Continuous Integration/Continuous Deployment using Jenkins.
- Testing systems utilizing open source.
- Understanding and solving performance issues and constraints.
- Work with Development Team Leads and Testing team to establish a build schedule, execute the builds and troubleshoot build failures, if any. Also, worked closely with them in Merging after each release.
- API and Application performance testing (postman & Galting)

**Environment:** Selenium, Centos7, RHEL, Amazon Linux, git, Bitbucket, Jenkins, Docker, Shell Scripting, Kubernetes, and Cloud Foundry.

#### **Educational Qualification:**

**B.Tech in CSE**

ISDC College of Engineering, New Delhi 2012 - 2016

#### **References:**

**Bhaskara Reddy**, Associate Director, CRISIL Ltd., Mumbai.

Bhaskara.reddy@crisil.com

#### **Biodata:**

<b>Name</b>	Pavan Kumar Kalle
<b>Date of Birth</b>	1st Feb 1993
<b>Sex</b>	Male
<b>Nationality</b>	Indian
<b>Address</b>	#203 Indira Residency, Road No 3, Jagriti Colony, near 8 <sup>th</sup> battalion police Quarters, Kondapur, Hyderabad, Telangana.

I hereby assure that all the information presented above is correct and true to the best of my best knowledge.

**Thanks & regards,**  
Pavan Kumar Kalle.