 

**Jagadeesh Mopuri** [**jagmopuri07@gmail.com**](mailto:jagmopuri07@gmail.com)

**Devops Engineer Mobile:** 0**7448352040**

**ACHIVEMENTS & CERTIFICATIONS**

* **Google Certified Professional**
* Certified Scrum Master(CSM)

**PROFESSIONAL SUMMARY**

* **10+** years of Experience in IT Industry with **5+** years’ experience of **Devops & Cloud technologies** includes DevOps, **Google** Cloud, AWS and Microsoft Azure Technical Architecting enterprise level.
* In - depth technical strengths and business understanding for full-cycle project and post-implementation problem-solving requirements.
* Create clusters in Google Cloud and manage the clusters using Kubernetes (k8s). Using Jenkins to deploy code to Google Cloud, create new namespaces, creating Docker images and pushing them to container registry of Google Cloud.
* Experience in creating dashboards in Stackdriver. Can setup alerting and create custom metrics using google API developer tools.
* Maintained all the **UNIX, Linux** and **Windows** environments for deployments.
* Expert in cloud technologies like **Google Cloud, AWS and MS Azure**.
* Expert experience with **Amazon Web Services (AWS)** and with the configuration of various Amazon products (Amazon EC2, Elastic Load Balancing, Auto Scaling, Amazon S3, Amazon VPC, Amazon SES, Amazon SNS, Amazon IAM, Amazon Cloud Watch, Amazon Elastic Beanstalk, Amazon Cloud Formation.
* Create Solution Architecture based upon Microsoft Azure PaaS Services
* Experience in Azure Fabric Services.
* Design solution for various system components using Microsoft Azure.
* Experience working on Service fabric and Azure container service. Designed and deployed architecture for Azure Service fabric.
* Experienced in migrate an On - premises Instances or Azure Classic Instances to Azure ARM Subscription with Azure Site Recovery.
* Expertise in Cloud Administrator on Microsoft Azure, involved in configuring virtual machines, storage accounts, resource groups.
* Developed Templates for AWS infrastructure as a code using **Terraform** to build staging and production environments.
* Expertise in customizing Splunk for Monitoring, Application Management and Security as per customer requirements and industry best practice
* Worked with ARM templates and scripts using Azure PowerShell during Automation and Build Process.
* Creating and Configuring Azure Redis cache, configuring cache clients using ARM, Azure PowerShell and adding and removing objects from the cache
* Expert in Waterfall, Agile/Scrum, and most recently Continuous Integration (CI) and Continuous Deployment (CD) practices.
* Expert in automating **deployments** on **AWS** using **GitHub**, **Terraform**, **Puppet**, **Chef** and **Jenkins**.
* Expert in Bash and Python, included Boto3 to supplement automation provided by Ansible and Terraform for tasks such as encrypting EBS volumes backing AMIs and scheduling Lambda functions for routine AWS tasks.
* Extensive experience in setting up the CI/CD pipelines using Jenkins, Maven, Nexus, GitHub, Ansible, Terraform and AWS
* Extensively used build automation tools like **MAVEN** and **ANT** for the building of deployable artifacts such as war from source code.
* Expert in using Nexus and Artifactory Repository Managers for Maven and Ant builds.
* Deploy software to Development, Quality Assurance, and Production environments using Octopus Deploy.
* Deployed builds from TFS to all environments with Octopus Deploy.
* Expert in using Continuous Integration concepts by using tools like **Jenkins**.
* Expert in defining the branching and the merging strategies, creating baselines and releasing the code. Worked with bug tracking tools like **JIRA**.
* Planning and implementation of data and storage management solutions in Azure (SQL Azure, Azure files, Queue storage, Blob storage). Implementing scripts with PowerShell for Runbooks.
* Managed local deployments in Kubernetes, creating local cluster and deploying application containers.
* Container management using Docker by writing Docker files and set up the automated build on Docker HUB and installed and configured Kubernetes.
* Create clusters in Google Cloud and manage the clusters using Kubernetes (k8s). Using **Jenkins** to deploy code to Google Cloud, create new namespaces, creating **Docker images** and pushing them to **container registry of Google Cloud**.
* Migrated **9** micro services to **Google Cloud Platform**
* Expert in automation technologies like Ansible, Jenkins, Selenium Grid/RC/Webdriver, Maven, Packer, Ant, Junit, JMeter, and Cucumber.
* Expert in Continuous Delivery of Applications to **App Servers** like **Tomcat**, **WebLogic**.
* Ability to build **deployment**, build scripts and automated solutions using **shell scripting** and **Python**.
* **Installation**, **configuration** and **administration** of **Linux** systems (**RHEL 5.x and 6.x, CentOs, Ubuntu**)
* Expert in working with the release and **deployment** in **JAVA**, **JavaScript**, **Python**, and **ASP.net** **web applications** environment.
* Working experience with **Active Directory** and **LDAP**.
* Expert in support activities of applications - **trouble shooting**, **performance monitoring**, resolving the **production incidents**.
* Experience in Packer to build command takes a template and runs all the builds within it in order to generate a set of artifacts

**TECHNICAL EXPERTISE**

Languages **Python, Java, C#, .Net**

Cloud Technologies **AWS Services: Ec2, Elastic Beanstalk, VPC, RDS, S3,IAM, Cloud Front, Cloud Watch, Cloud Trail, Cloud Formation, DynamoDB, Lambda, Route53, SNS, SQS, API Gateway, Code Pipeline, Code Build, Elastic Search, Code Deploy etc.**

**Azure: Azure DevOps, ARM Template**

**Google Cloud: Google Cloud Platform (GCP)**

**Monitoring** Tools:  **Stackdriver, Splunk, Nagios and Cloud Watch**

Containers**,** Clusters**:**  **Docker, Kubernetes, Openshift**

Configuration Management **Ansible, Puppet, Chef**

DevOps Tools **AWS Code Pipeline, Code Build, Code Deploy, Elastic Beanstalk, Jenkins, Docker, Jira, Nagios, Bamboo, Terraform, SonarQube, Packer.**

Source Code Management **GIT, Code Commit**

HashiCorp **VAGRANT , TERRAFORM, VAULT**

Operating systems **Windows, Linux, UNIX, Ubuntu, RHEL, Cent OS**

Databases **SQL Server, Oracle, MySQL, NoSQL**

**Web/Application Servers Apache Tomcat,** **NGINX**

**VMWare:  vSphere 5.5, VMWare ESXi**

Splunk**:**  **5.x and 6.x, Splunk Enterprise**

**CAREER SUMMARY**

* Working as a **Cloud Engineer** for **S & M Techsol from** August 2019 to Present.
* Worked as **Devops Engineer** for **Cognizant Technology Solutions GmbH** from Jun 2018 to Jul 2019
* Worked as **Software Tech Specialist-Devops** for **TechMahindra** from Dec 2016 to May 2018.
* Worked as **Devops Engineer** for **Bhilwara Info Technologies Pvt Ltd** from Mar 2016 to Dec 2016.
* Worked as **Quality Analyst** for **NTT Group** from Nov 2010 to Feb 2016.
* Worked as **Software Programmer** for **Promantra Synergy Solutions Pvt Ltd from** October 2007 to Nov 2010.

**QUALIFICATION**

**Bachelor of Engineering in Computer Science Engineering from Anna University Chennai, India**

**PROFESSIONAL EXPERIENCE**

**Cloud Operations Engineer** **August 2019**– **Sep 2019**

**Client: Office for National Statistics, UK**

**ENVIRONMENT**

**Google Cloud Platform (GCP), Stack Driver, Splunk, Linux, Docker, Kubernetes, Terraform.**

**Google Cloud Engineer** **Jun 2018**– **Jul 2019**

**Client: Telefonica, Germany**

**ENVIRONMENT**

**Google Cloud Platform (GCP), Google Cloud Platform(GCP), Kubernetes, GitHub, Jenkins, Docker, JIRA, Unix/Linux CentOS 7, Nexus V3, Bash Shell Script, Python, Node.js, Apache Tomcat, MongoDB, SQL, Nginx, RHEL 7, Stackdriver, Splunk, Cavisson, ServiceNow.**

**DESCRIPTION**

MCE-Cloud Migration

**ROLES & RESPONSIBILITIES**

* Designing and deploying dynamically scalable, highly available, fault tolerant, and reliable applications on AWS.
* Designed & implemented POC for cloud migration.
* Migrated 9 microservices to Google Cloud Platform from skava and have one more big release planned with 4 more microservices.
* Working on the migration of mobile application from skava to cloud (Google Cloud) by making the chunk of code to microservices.
* Involved in CI/CD process using **GIT**, **Nexus**, **Jenkins** job creation, **Maven** build and Create Docker image and use the docker image to deploy in **gcloud clusters**.
* Extensive Knowledge and hands-on experience implementing PaaS, IaaS, SaaS style delivery models inside the Enterprise (Data center) and in Public Clouds using like **AWS, Google Cloud,**and**Kubernetes** etc.
* Migrating from On-Premise Infrastructure to AWS Cloud.
* Written various Lambda services for automating the functionality on the Cloud.
* Used AWS Route 53 for configuring the High-Availability and Disaster recovery to make the environment up and running in case of any unexpected disaster.
* Deployed application updates using Jenkins. Installed, configured, and managed Jenkins.
* Experience in building applications of various architecture styles like Micro-services architecture consisting of Restful web services and Docker container-based deployments.
* Implemented Performance testing using Apache JMeter and created a Dashboard using Grafana to view the Results
* Deployed and configured Git repositories with branching, forks, tagging, and notifications.
* Installed and configured Nagios as monitoring tool for disk usage, CPU utilization, list of open files etc. and sending alerts to our teams based on the same.
* Deployed Micro services, including provisioning AWS environments using Ansible Playbooks.

**Devops Engineer**  **Dec 2016**– **May 2018**

**Client: KPN, Netherlands**

**ENVIRONMENT**

**Jenkins, Agile, Ansible, Linux, GIT, Python, AWS, Openshift**

**DESCRIPTION**

KPN Telecom PE

**ROLES & RESPONSIBILITIES**

* Automated various infrastructure activities like Continuous Deployment, Application Server setup, Stack monitoring using Ansible playbooks and has Integrated Ansible with Jenkins.
* Migrated 9 microservices to Google Cloud Platform from skava and have one more big release planned with 4 more microservices.
* Working on the migration of mobile application from skava to cloud (Google Cloud) by making the chunk of code to microservices.
* Involved in CI/CD process using GIT, Nexus, Jenkins job creation, Maven build and Create Docker image and use the docker image to deploy in gcloud clusters.
* Extensive Knowledge and hands-on experience implementing PaaS, IaaS, SaaS style delivery models inside the Enterprise (Data center) and in Public Clouds using like AWS, Google Cloud, and Kubernetes etc.
* Provisioning environments for Engg and QA as per the requirements and chasing timelines.
* Hands-on experience setting up Kubernetes (k8s) Clusters for running microservices. Took several microservices into production with Kubernetes backed Infrastructure.
* Very good understanding of Microservices architecture, adapting Industry best practices for Microservices while we break down existing apps into micro services.
* Created dynamic routing/load balancing capability enabling large application scaling, used ingress rules and Ingress Controllers - Nginx.
* Point team player on Openshift for creating new Projects, Services for load balancing and adding them to Routes to be accessible from outside, troubleshooting pods through ssh and logs, modification of Buildconfigs, templates, Imagestreams, etc
* Managing the Openshift cluster that includes scaling up and down the AWS app nodes.
* Openshift virtualized PaaS provider - useful in automating the provisioning of commodity computing resources for cost and performance efficiency.
* Point team player on Kubernetes for creating new Projects, Services for load balancing and adding them to Routes to be accessible from outside, Creation of Pods through new application and control the scaling of pods, troubleshooting pods through ssh and stackdriver/splunk logs.
* Provide the permissions and required access to all the pub/sub topics and sinks to push/write the data to Stackdriver.
* Setup Alerting and monitoring using Stackdriver in GCP.
* Create custom log metrics using Stackdriver logging and create charts and alerts using the custom log metrics.
* Developed a continuous deployment pipeline using shell scripts in Jenkins.
* Containerized all the ticketing related applications - Spring Boot Java and Node.Js applications using Docker.
* Working with engg and upstream teams like OpenAPI on day-to- day environment issues on DEV and TEST env.
* Scheduled, deployed and managed container replicas onto a node cluster using **Kubernetes**.
* evelop services using .NET/C# code and Web API technology (Restful API)
* Manage the Windows Azure infrastructure for our customers depends on their requirement.
* Experienced in the blue/green pattern deployment methodologies and roll backs with zero down time.

**Devops Engineer**  **Mar** **2016** - **Dec 2016**

**Client: KPN, Netherlands**

**ENVIRONMENT**

**Azure, Jenkins, Docker, Kubernetes Ansible, Linux, GIT, Python.**

**DESCRIPTION**

**KPN Telecom PE**

**ROLES & RESPONSIBILITIES**

* Creating fully automated CI build and deployment infrastructure and processes for multiple projects
* Ansible as configuration management tool and developed many playbooks for deployments and configurations.
* Extensively worked on Jenkins for continuous integration and for End to End automation for all build and deployments.
* Experience working on Docker hub, creating Docker images and handling multiple images primarily for middle-ware installations.
* Automated deployment of web applications, configuration settings using a combination of Python scripts and orchestrator runbooks.
* Managed Kubernetes charts using Helm. Created reproducible builds of the Kubernetes applications, managed Kubernetes manifest files and managed releases of Helm packages.
* Developed, maintained and enhanced pre and post build scripts (Shell and Python)
* Designed and documented CI/CD tools configuration management.
* Created a Continuous Delivery process to include support building of Docker Images and publish into a private repository- Nexus v3.
* Installed and configured Nexus repository manager for sharing artifacts between internal teams and created proxy Nexus repositories to speed up the build process.
* Responsible for installation & configuration of Jenkins to support various Java builds and Jenkins plugins to automate continuous builds and publishing Docker images to the Nexus repository.
* Used CI/CD tools Jenkins, Git/GitLab’s, Jira and Docker registry/daemon for configuration management and automation using Ansible.

**Devops Engineer** **Jan 2014**– **Feb 2016**

**Client: Dimension Data Global, Global Regions**

**ENVIRONMENT**

**Ansible, GIT, Jenkins, Selenium, Java, JIRA, HP ALM**

**DESCRIPTION**

Dimension Data Direct.

**ROLES & RESPONSIBILITIES**

* Solid understanding of the SDLC and the build, release & deploy process including recent experience working as build manager in this enterprise environment
* Expert in Ansible and Ansible Tower as Configuration management tool, to automate repetitive tasks, quickly deploys critical applications, and proactively manages change.
* Wrote Python Code using Ansible Python API to Automate Cloud Deployment Process.
* Developed Python Modules for Ansible Customizations.
* Expertise in developing Ansible Playbooks to setup Continuous Delivery Pipeline. Deployed micro services, including provisioning using Ansible Playbooks.
* Used Ansible to document all infrastructures into version control.
* Automated test scripts from Jenkins to execute on HP ALM. Designed workflows in Atlassian JIRA to deal with issues, and maintained all the user stories for tracking as per agile style.
* Implementing a Continuous Delivery framework using Jenkins, Octopus and Maven in Redhat Linux environment.

**Quality Analyst- Automation Test Expert** **Nov 2010**– **Dec 2013**

**Client: Dimension Data APAC, Asia Pacific Region**

**ENVIRONMENT**

**Ansible, GIT, Jenkins, Selenium, Java, JIRA**

**DESCRIPTION**

Project: Dimesion Data-APAC

**ROLES & RESPONSIBILITIES**

* Analyzing of Business and Requirement Specifications, Designing Test Lab, Test Plans and Performed functional testing to identify various critical points in the application and automate it by using Selenium Web driver.
* Instructed and modelled core Agile principles of collaboration, prioritization, team accountability and visibility; ensured consistent application of scrum
* Organized and facilitated sprint planning, daily stand-up meetings, reviews, retrospectives, release planning, demos and other Scrum-related meetings.
* Developed test code in Java language using Eclipse and Junit framework. Worked on Cucumber and to write acceptance tests for web application.
* Developed the automation framework using Selenium and JUNIT for Functional testing, Smoke Testing, Regression Testing.

**Software Programmer** **Oct 2007** – **Nov 2010**

**Client: Geropro, USA**

**ENVIRONMENT**

**ASP.NET, Framework 4, Visual Studio 2010, SQL Server 2008.**

**DESCRIPTION**

**Developed face sheet for Applications actualizing end to end needs of Hospitals, Physicians, Billing Offices, and Long Term Care facilities.**

**ROLES & RESPONSIBILITIES**

* Support and troubleshoot the existing web form-based system using C#/ASP.Net, VS 2010, SQL Server 2008
* Design and development web pages using ASP.Net
* Responsible to create new web services using ASP.Net with C#.
* Support/modify the exiting web services as per user requirements.
* Managing the SQL server databases.
* Provide Support to other teams to fetch the data from the centralized database using ASP.net XML Web Services.