



Venkata

Mobile No: +44 (0)7440362848

Email-Id: venkata554@gmail.com

Professional Summary

- Over 15+ years of Diverse IT Experience in the Fields of Enterprise Architecture, Integration Architecture, Cloud Computing, Application Development & Maintenance driving complex solutions and digital transformation tracks cutting across multiple lines of Business.
- Expertise in building infrastructure components on GCP, AWS and Azure using Jenkins, Terraform, Ansible at scale.
- Experienced in migration and implementation of multiple applications from on premise to cloud using AWS services like SMS, DBMS, EC2, S3, VPC, RDS, SQS, SNS, Lambda, Cloud Formation, Route53, Cloud Formation, Glacier and Import/Export.
- Experienced in maintenance and configuration of user accounts for Dev, QA and production servers and created roles for EC2, RDS, S3, and Cloud Watch, EBS resources to communicate with each other using IAM.
- Built and configured multiple virtual data centers in AWS/GCP cloud to support enterprise data warehouse hosting including Virtual Private Cloud (VPC), Public and Private Subnets, Security Groups, Route Tables, Load Balancers.
- Extensively involved in developing infrastructure as a code and automate the deployment of AWS services like EC2, RDS, ELB and GCP services like Compute Engine, Cloud Load Balancer and custom MySQL, Cassandra, MongoDB databases using terraform.
- Created reproducible builds of the Kubernetes applications and managed Kubernetes manifest files, Kubernetes charts using Helm and releases of Helm packages.
- Automated various infrastructure activities like Continuous Deployment, Application Server setup, Stack monitoring using Ansible playbooks and Jenkins
- Having greater industry experience in API Led Connectivity Architecture Implementation using Mulesoft.
- Extensive knowledge and experience in data modeling, SOA design patterns, APIs, frameworks.
- Designed and built resilient integration of multi protocol highly distributed systems using Mule ESB, Fuse ESB, OSB, Oracle SOA and BPM tools - Oracle BPM, Intalio BPM, jBPMN, BRMS within Service Oriented Architecture (SOA) by implementing Enterprise integration pattern (EIP).
- Extensively worked to design and develop Low Latency/High Throughput systems by doing concurrent processing using Akka, vert.x and Spring Boot micro services.

Technical Skills

Amazon Web Services	EC2, EBS, S3, RDS, VPC, SQS, SNS, SES, Cloudfront, Dynamo DB, AWS Glue, AWS Athena, Elastic Load Balancer (ELB), Route 53, Cloud Watch, IAM, Glacier, Cloud Formation, Elastic Beanstalk, Lambda, Sage Maker
Google Cloud Platform	Compute Engine, Cloud Storage, Kubernetes Engine, Cloud IAM, Cloud DNS, VPC, Load Balancer, Persistent Disk, Cloud Deployment Manager, StackDriver, KMS, Dataproc, Dataflow, Apache Beam
Cloud Security	Hashicorp Vault, Consul, IAM, OKTA, Aqua, Twistlock, Synk, Forseti.
DevOps Tools	Kubernetes, Terraform, Packer, Volt, Docker, GKE, GIT, Jenkins, Puppet, Chef, Ansible, Cloud Formation, Splunk, NT, Maven, SVN, Nginx, SonarQube, Kubeflow.
Languages	Java, C, C++, Python, PySpark, PyTorch, Shell, Ruby, SQL, Groovy, YAML, Open API, NodeJS, RAML, BPEL, BPMN
Operating systems	RHEL, CentOS, Solaris, HP-UX, Unix, VMware ESXi, Windows NT/XP
Databases	Redis, MongoDB, Cassandra, MySQL, Oracle, SQL Server

Certifications

- AWS Certified Solutions Architect – Associate
- Google Cloud Certified Professional Cloud Architect
- TOGAF 9.1 Certified Enterprise Architect
- Certified SOA Professional (SOACP)
- MongoDB Certified.
- Oracle SOA Suite 11g Certified Implementation Specialist

Experience

DevOps & Cloud Architect HSBC

July 2019 – Till Date

- Created Terraform Scripts for Provisioning of infrastructure resources on AWS platform using services like EC2, S3, Route53, VPC, SQS, RDS, IAM, ELB and Cloud Watch is focusing on the highly available and fault-tolerant environment.
- Automated AWS environment provisioning for the Mulesoft Anypoint Hybrid Platform using Git, Anisble, Terraform and Jenkins.
- Created kubernet cluster for Mule Containers on AWS and on Premises GKE using GCP Components VPC, Shared VPC, Compute Engine, App Engine, Cloud Storage, and Persistence Disks.
- Created automation configuration scripts to check Cyber Security Compliance for CISCO SAN, EMC and NAS7 network storage devices using Ansible and Python and then push generated results into S3 Bucket.
- Designed and developed serverless ETL Solution using AWS Glue and Athena for Cyber Security Compliance.
- Created Jenkins pipelines to the Storage system and mule API publish and deployment.
- Have designed and developed NetBackup API integration with Puppet Enterprise using Ansible, Splunk and MuleSoft API.

Technical Lead/Cloud Consultant CGI-ARE

Feb 2018 – June 2019

- Designed and deployed GCP Cloud Solutions using google services like Compute Engine, App Engine, Cloud Launcher, Kubernetes Engine, Cloud Storage Buckets, Persistent Disks, Cloud Load Balancer, Auto Scaling groups, Cloud Deployment Manager, Big Query, Big Table, Cloud functions, Cloud IAM and Cloud DNS.
- Design and developed Restful Microservices architecture on Google Cloud Platform.
- Designed and implemented CICD infrastructure for Google clients using Jenkins, gitlab and created several pipelines for the continuous integration and deployment of applications inside GCP using Terraform, Packer, Puppet and Ansible.
- Responsible for migrating applications and cache servers and few on premise micro services Applications to cloud implementations.
- Developed terraform scripts to provision the infrastructure.
- Wrote configurations to bootstrap environment and creation of VM's on cloud environments with the desired applications.
- Major responsibilities include design, ownership, and drive the DevOps process strategy, implementation and develop DevOps methodology and culture by setting up an environment with continuous integration, continuous inspection, continuous testing, continuous monitoring, and continuous delivery.
- Evaluating performance of GCP instances, their CPU, Memory Usage and setting up health checks, Google buckets and VPC.
- Implemented microservices monitoring using Prometheus and grafana on kubernetes.

Technical Consultant CGI - EE

Jan 2015 – Feb 2018

- Responsible to setup and maintain infrastructure resources on AWS platform using services like EC2, S3, Route53, VPC, SQS, RDS, IAM, Cloud Formation Template and Cloud Watch focusing on highly available and fault tolerant environment.
- Migrated the on-premise servers/Applications from Rackspace to AWS.
- Implemented elastic cache Redis database on AWS for the in memory data usage for POS application.
- Configured AWS SQS and SES for email notifications and messaging services.

- Configured AWS load balancers for the production platform and setup the inbound and outbound rules with certificate installation.
- Installed and configured the Splunk for log analysis
- Installed and configured the New Relic Monitoring system (Infra/APM)
- Provide highly durable and available data by using S3 data store, versioning, lifecycle policies, and create AMIs for mission critical production servers for backup.
- Configured the full stack for the New Pulse application in AWS using cloud formation templates.
- Configured Jenkins job to deploy elastic bean stalk applications.
- Deployed web applications into different application servers using Ansible playbooks.
- Designed and Developed Microservices using Spring Boot and Spring Cloud.

**Site Reliability Engineer/DevOps Consultant
Ordnance Survey- MRDP**

July 2014 – Jan 2015

- Design and developed migration of Restful Micro services architecture using Spring Boot and Spring Cloud components.
- Configured Ansible to manage AWS environments and automate the build process for core AMIs used by all application deployments including Auto-scaling and Cloud formation scripts.
- Deploy and monitor scalable infrastructure on Amazon web services (AWS) configuration management
- Built & Deployed Java/J2EE to web application server in Agile continuous integration environment and automated
- Created and maintained the Shell/Perl deployment scripts for Web Logic web application servers.
- Create Read Replicas for RDS databases in different region expecting disaster; install and configure MySQL on AWS console and manage database, users, and accept external connection.

**Solution Architect
CGI-Health Benefit Exchange**

April 2013 – July 2014

- Implementing a Continuous Delivery framework using Jenkins, Maven, and Nexus in Linux environment.
- Configured Jenkins job to deploy elastic bean stalk applications.
- Provide highly durable and available data by using S3 data store, versioning, lifecycle policies, and create AMIs for mission critical production servers for backup.
- Developed Python Scripts for Deployment.
- Designed and Developed Integration flows for SIEBEL CRM, MDM integration using Oracle SOA Suite by leveraging the Oracle AIA framework.
- Designed and Developed CRM layer to capture customer details.

**Technical Lead
CGI-BT Harlequins, UK**

Sept 2010 – April 2013

- Served as a subject matter expert on the execution and delivery of Cloud Integration and Transformation projects for BT Harlequin using cloud enabling technologies as well as orchestration and management approaches and tools.
- Managed Route53 hosted zones, configuring aliases for Elastic Load Balancer (ELB) applications and responsible for maintaining ACLs, Security Groups and firewall configurations.
- Designed AWS CloudFormation templates to create custom sized VPC, Subnets to ensure successful deployment of web applications.
- Designed Mule ESB flows for integrating with third-party systems, which was later accepted and implemented.
- Executed end-to-end integration testing and Created SOAP UI mock web services, which drastically reduced the E2E testing effort.
- Worked closely with the client by capturing and implementing new client's requirements, presenting the project's status and presenting demos.
- Designed RESTful web service Provisioning component.
- Design for Broadband activation flow from End to End.
- Installed/Configured/Managed Jenkins CI Automation.
- Implementing a Continuous Delivery framework using Jenkins, Maven, and Nexus in Linux environment.

Associate
Cognizant Technology Solutions - Centrica, UK

Oct 2008 – Aug 2010

- Responsible for modules Google Maps Integration, Consumption Hub, Green Shop Shopping, Sales Energy, Price Finder.
- Played as a Team Lead to co-ordinate the team and providing the technical Requirements and assigning the tasks to team, Track the status on daily basis **Requirement** gathering from the customer.

Consultant
Polaris Financial Technology Limited - BT Margin Lending, Australia

Jan 2008 – Sep 2008

- Responsible for Refinance development, design and functional implementation
- Developed interfaces for Refinance module

Consultant
Polaris Financial Technology Limited - Dubai Islamic Bank, Dubai.

Jan 2006 – Dec 2007

- Understanding the requirements of the client and plan for the development according to that.
- Responsible for Enquiry Module, Funds Transfer Incoming, Standing Orders Development and Implementation.

Programmer
UGC-SVU Center - India.

Nov 2003 – Nov 2004

- Developed and implemented so many scientific processing functions for offline MST-RADAR Data in C, C++ and Java.
- Developed and designed weather forecasting Graphs using J2EE.