**Abhishek**

**Cloud/DevOps Architect**

Google Cloud Certified – Cloud Architect AWS Certified Solutions Architect Associate

# EXECUTIVESUMMARY

Accomplished leader with over 13 years of hands-on experience of **Deployment, Automation, Build/Release Engineering, Configuration Management and Managing Multiple projects**. Has successfully delivered System and technology transformation initiatives including implementation of fully automated **Continuous Integration, Continuous Delivery, Continuous Deployment pipelines, Cloud Migration (AWS) (GCP) (AZURE)** and **DevOps processes for Agile projects**. An articulate presenter with ability to communicate technical information in a clear and concisemanner.

# PROFESSIONAL SUMMARY

* Experienced in helping clients migrate applications on to **Google Cloud Platform, AWS and Azure.**

## Experience in Core GCP Services such as IAM , VPC , GLB , GKE , GCE , GAE, Deployment Manager , GCR , Cloud Source repo , GCS , Datastore ,Cloud SQL , Spanner, Big table , Big Query , Data flow , Pub Sub , Firewall rules .

* **Hands on experience in IAC utilizing Terraform . Working knowledge on Cloud Formation , Deployment Manager and Azure Resource Manager.**

## Hands on experience working on Terraform Cloud and Terraform Enterprise.

* **Hands on experience writing Terratests for Infrastructure spun up by Terraform.**
* Experience in core **AWS services (Organizations , Cloud Trail , SSO, S3, EC2, ECS, ELB, EBS, EKS, Route53, VPC, Auto scaling etc.)** and deployment services **(Elastic Beanstalk, Code Deploy and Cloud Formation)** and security practices **(IAM, Cloudwatch and Cloudtrail).**
* Architected many custom Solutions from **super secured bastion hosts living in a private subnet** , SFTP endpoints in VPC with a uid/password , Assuming roles in to different accounts , Secret Management using Vault all via IAC Pipelines (Terraform )

## Experience in Core Azure Services (Express Route , NSGs , Vnets , IAM , AD , Azure Kubernetes Service , Azure DevOps , LB , App gateway , VPN gateway).

* **Created a detailed Network and Cloud Blueprint diagram on the future state of all applications that migrate to the Azure cloud.**
* Acted as a **Scrum Master** for our nimble team , scheduling Scrum ceremonies, working closely with the product manager in defining epics and breaking them up in to stories with the team.
* Optimizing the DevOps Tool set to be cloud native and utilizing **IAAC(Terraform) for** faster Env buildouts.
* Expert experience in provisioning environments in AWS using **Terraform ,** Leveraging Infrastucture as code. Worked with Hasi corp closely to implement best practices in designing the workflows and its workspaces.
* Handled Projects that encompasses installing, configuring and maintaining **IBM WebSphere Application Server ,WebSphere Portal Server, WebSphere Process Server, WebSphere Commerce ,WebSphere MQ Series , Data Power ,BEA WebLogic, JBoss/Wildfly , Tomcat , Apache Storm , Zookeeper , Kafka** , **Adobe AEM** , **IBM HTTP webserver , Apache webserver** and **Nginx** on various platforms (**Linux, AIX, Solaris, Centos HP-UX, and Windows**) manually, silently and through custom automation process.
* Lead the Release team to Incorporate Continuous Integration practices in the build/deploy/

test pipeline. Evangelized Continuous Integration practices across the organization.

* Coached and mentored the onsite and offsite teammembers.
* Helped **migrate all ON-Premise** applications to the **Cloud (AWS**), eventually attaining a **Hybrid Cloud setup**.
* Handled **CI/CD(Continuous Integration and Continuous Deployment) pipeline**, Leveraging **GIT , Maven/Ant , Jenkins(Cloudbees) , Sonar** and automated deployment scripts as the tool stack , Storing the artifacts in **Jfrog Artifactory** for Prod deployments.
* Experience on working with **Docker containers/Registry** on premises and also on

**AWS(ECS)** and Continuous Integration for building & deploying Docker containers.

* Experience in Installing, Administering and maintaining **Gitlab/SVN, Docker registry, Cloudbees**(Enterprise jenkins) , **Sonar , JIRA** and many of our homegrown tools.
* Experienced in Different architectures and Deployment strategies not limited to **Blue Green**

## /Rolling/Canary on Dual Data Center’s (Active/Active and Active/Passive).

* Experienced in Linux, Solaris, AIX and UNIX administration, Good Knowledge in **bash (shell)** and exposure to **Ruby, Python** scripting.
* Strong knowledge of **TCP/IP, FTP, SFTP, SCP, SSH, HTTP, HTTPS, SOAP, RMI, AJP, RESTful APis, Web Services, Load Balancing (F5)**, multi-data center architecture.Good understanding of the agile philosophy and exposure to configuration management tools **Chef, Puppet.**
* **Highly motivated team player**, having **Strong documentation** skills and consistently meeting metric goals (**SLA’s**).

# PROFESSIONAL EXPERIENCE

## Mroads , Plano , TX Cloud Architect 09/11/2020 – Current

**Client:**

## Boardwalk PIpeline Job Duties:

* Part of the Cloud Delivery Infrastructure Team in Boardwalk.
* Manage Cloud Environments and enabling security at every level on the environments to mitigate attacks.
* Designed pipelines to use circleci and Terraform to deploy infrastructure on to AWS.
* Review Architectures for different solutions on AWS with best practices and well architected framework guidelines.
* Maintained many AWS accounts and migrated the existing pipelines from circleci in to Terraform Enterprise.
* Enhance existing architecture to be in line with the well architected framework.
* Proactively identify enhancement needs and deploy them on to the AWS accounts.
* Upgrade infrastructure that is close to EOL cycle.

## Client: Verizon Job Duties:

* Part of the Delivery Infrastructure Team in the Verizon Security Department.
* Designed solutions as Infrastructure as Code for variety of Teams to be on boarded on to the cloud.
* Review Architectures for different solutions on AWS with best practices and well architected

framework guidelines.

* Cloud Custodians for ATLAS Projects on AWS.
* Manage Cloud Environments and enabling security at every level on the environments to mitigate attacks.
* Identify and automate solutions to Fix Security Vulnerabilities in the AWS Cloud Environment on a daily basis.
* Conduct proof of concepts on new Solutions that are used by peers in the industry and write blog posts , education different teams on the new services and features.
* Set up CI-CD pipelines for infrastructure as code with gitlab , runners , Terraform , AWS cli , autoclaving , EKS and many other AWS services.
* Architected and set up Image LifeCycle Management process in Verizon to keep all base images patched on a regular basis to be compliant with ISO.
* Architected and Set up High Availability for many Devops tools in Verizon not limiting to Grafana , SonarQube , Twistlock and Gitlab.
* Architected and Set up Disaster recover patterns and solutions for many application frameworks across Atlas teams.
* Architected and Migrated may workloads from on prem to the cloud
* Set up Architecture Patterns for constantly replication block level data from one region to another region via cloud endure for gitlab disaster recovery.
* Mentor team members on a daily basis on best practices and latest security events.
* Coaching the team on new AWS services and patterns.
* working closely with the AWS Technical Account Manager and Solutions architect in securing and applying well architected framework to all services we use in verizon.

## Omnitracs . Dallas , TX

**Cloud Operations and Governance**

## 06/01/2019 – 11/06/2020

* Part of the Cloud Operations and Governance team , defining and implementing guard rails for all things cloud within Omnitracs.
* Architected many custom Solutions from **super secured bastion hosts living in a private subnet** , SFTP endpoints in VPC with a uid/password , Assuming roles in to different accounts , Secret Management using Vault all via IAC Pipelines (Terraform )
* Migrated many on-prem workloads in to AWS using IAC (**Terraform**) having all the IAC pipelines as code, This includes everything from the AWS accounts, the virtual private cloud (VPC), to every instance, database, and even the monitoring and dashboards. Everything is backed by source control , **significantly reducing costs**, eliminating single points of failure, and ensuring our infrastructure can scale out to meet unexpected increases in demand.
* Acted as a **Scrum Master** for our nimble team , scheduling Scrum ceremonies, working closely with the product manager in defining epics and breaking them up in to stories with the team.
* Scheduled and Demoed the work done each sprint to all VP executives.
* Currently working on a Multi cloud strategy for managing our workloads.
* Set up **Datadog** implementation within Omnitracs and rolled out agents and created Dashboard for many application Teams from scratch.
* Implemented a SSO strategy with OKTA , Assume role policies.
* Unified all AWS accounts with AWS organizations.
* Designing and implementing VPC, subnets, Nat gateways and internet gateways as IAC.
* Implementing Transit gateway for connection between accounts.
* Provisioning certificates in ACM and having DNS resolvers on route 53 for resolution.
* Setting up Autoscaling groups and provisioning ALBs via IAC.
* Working closely with other teams in a collaborative manner for smooth deliveries.

## Sapient Razorfish , Chicago , IL

**Devops Architect/Manager 02/01/2019 – 06/01/2019**

## Client: Mc Donalds Job Duties:

* Part of Data Engineering team at McDonalds managing their AWS Infrastructure and devops pipelines for their Spark application workflow.
* Designed and setup IAC using Terraform to spin up Kinesis, SQS, S3, EC2, ECS and ELBs.
* Designed and setup the DevOps tooling utilizing bitbucket , Jenkins , SonarQube ,JFROG ,Unit tests and AWS services.
* Enabled up CI Pipelines for dev branches to constantly provide feedback to the developer.
* Enabled up CD pipelines until Stage to have code built,validated and deployed.
* Setup artifactory integration for code dependencies and act as an artifact repository.
* Acted as a POC for all things DevOps and cloud on the Data Engineering team.
* Worked closely with the Datastax team , who worked on setting up spark/solr/cassandra clusters on the EC2 instances.

## Sapient Razorfish , Chicago , IL Devops Architect/Manager 05/13/2018 – 01/31/2019

**Client: The Childrens Place Job Duties:**

* Re-engineer the entire DevOps platform ground up to be more efficient, faster and agile.
* Construct robust CI-CD pipelines with Bitbucket , Jenkins , Ant/Maven/NodeJS , artifactory , Sonar Qube , Junit , ESLINT , App Scan , Funtional Automation and continuous code propagation to higher envs.
* CI-CD pipeline based on Code deployments to IBM Websphere Commerce 7 , Mule Soft servers and NodeJs Servers.
* Build automatic monitoring alerting solution of the version of code deployed on multiple INT , UAT , PERF and Non Prod Envs.
* Build a framework on analyzing half a million image files and segregating and creating a csv file with alt images for each product image to reduce the no of http calls made to webserver to fetch alt images.
* Currently Assisting the client on migrating the entire Infrastructure and applications on to Azure Cloud in partnership with Microsoft.
* Created a detailed Network and Cloud Blueprint diagram on the future state of all applications that migrate to the Azure cloud.
* Optimizing the DevOps Tool set to be cloud native and utilizing IAAC for faster Env buildouts.

## Sapient Razorfish , Chicago , IL Devops Architect/Manager 01/20/2018 – 05/12/2018

**Client: Google Job Duties:**

* + Interface with Google’s clients and senior project stakeholders to consult on matters relating to the design and implementation of the GCP solution; drive discussions around risk mitigation, trade-offs and best practices.
  + Provide best practice based solutions, training, and credentialing
  + Help customers successfully adopt Google products
  + Provide hands-on customer experience, on behalf of Google
  + Support setup of core foundational architecture
  + Evaluate strategy for IAM, networking, monitoring, billing and security.
  + Identify representative “first mover” application and identify metrics for success, key milestones and migration strategy to new environment.
  + Build minimum viable prototype
  + Translate client business requirements into a technical design with little oversight.
  + Define technical tasks and estimates required to implement a design.
  + Design and implement cloud infrastructure solutions for distributed systems and applications.
  + Design and architect cloud migration or cloud native solutions.
  + Design and implement automation pipelines for deployment into Google Cloud Platform.
  + Design and hardening of virtual networks, firewalls, load balancers, and virtual machines.
  + Perform analysis of best practices and emerging concepts in DevOps, Infrastructure Automation, and Network Security.
  + Drive creation of reference architectures to continuously improve the quality and consistency of cloud infrastructure solutions.
  + Analyze and address risk factors in deliverables, and communicates/propose risk preventions and reduction approaches for adoption while providing architecture, design and assessments.

## Sears Holdings Corporations, Hoffman Estates, IL Senior Devops Engineer 05/24/2013 – 01/20/2018 Job Duties:

* + Design, develop, automate, deploy, scale and manage both on-Prem and Cloud Servers.
  + Managed POC AWS cloud resources EC2 , ECS, S3, EBS , EFS, VPC, ELB, RDS, Elastic beanstalk, Code Deploy , Cloud Formation, Cloud Watch and IAM.
  + Created Launch Configurations and Autoscaling Groups to autoscale EC2/ECS instances whenever the autoscaling policy is met and fronted it with a ELB to route traffic to the new instances seamlessly.
  + Partnered with systems, database, and Development teams to create strategies for CI/CD to EC2/ECS via Jenkins plugins , GITLAB , S3 and in some cases puppet.
  + Performed installation, configuration, deployment, and administration of all IBM App

Servers , WILDFLY/Jboss , Tomcat , Apache Storm , Zookeeper , Kafka ,Adobe AEM , IBM Http , Apache , NGINX and many other open Source Softwares.

* + Installed, managed and Administered Cloudbees (Enterprise Jenkins) , GITLAB , Sonar , JIRA and JFROG Artifactory.
  + Supported all .com sites including sears.com/Kmart.com and many other business units. Our Major sites were fronted with Akamai.
  + Previously was involved in IBM WCS7 Migration activities and then later was involved in WCS to open Source stack migration.
  + Worked in an Agile Environment, Providing 24/7 On call rotation to support all our Prod and critical pilot instances issues.

## Peterson Technology Partners

**Middleware Engineer/WebSphere Administrator Aug 2012 – May 2013**

## Client:

**Sears, Hoffman Estates, IL Deployment Team**

Job Duties same as above

## Cognizant Technology Solutions

**Associate Operations Mgr/WebSphere Administrator Feb 2011 – July 2012**

## Client:

**AT&T (Feb 2011 – April 2012)**

## Service Delivery Platform (SDP)/ Uverse Data Access Services (UDAS) Hasbro, MA (Mar 2012 – May 2012)

**United health group, MN (May 2012 – July 2012) Middleware Administrator.**

## Middleware Administrator.

* + Worked in SDP (Service Delivery Platform) and UDAS (Uverse Data Access Services) projects in AT&T which were responsible for the services IPTV, HSIA and VoIP.
  + Provided infrastructure solutions which included installation and Confguration of IBM WAS, IBM HTTP, IBM WPS, IBM Portal Server on AIX and Linux platforms. Also responsible for installing Motorola (Leapstone) Software for our enterprise needs.
  + Configured SSL, Data Source, Qs (Sonic, Tibco, MQ and Fusion), setting up the JVM heap settings, Enabling Introscope, Admin Security Using LDAP.
  + Used Cisco global and local load balancer and FoundaryLoad balancer for enhanced failover and high availability capabilities
  + Participated in the Performance tuning of the application with the results from average CPU utilization, page swaps, Average response time, database connections pools etc.
  + Worked closely with the Environment Managers and helped them create the Project Plan for building out the Environments for each release cycle.

## IT Focal LLC

**Programmer Analyst/Websphere Administrator Jan 2008 – Jan 2012**

## Client:

**AT&T, Hoffman Estates, IL (Feb 2011 – April 2012)**

Job Duties same as above

# EDUCATION SUMMARY

## Master’s Degree in Electrical Engineering from University of Bridgeport Bachelor’s Degree in ECE from JNTU

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| **TECHNICAL SKILLS** | |
| **Operating Systems** | IBM AIX, LINUX, Centos, Sun Solaris, Windows |
| **Web/Application Servers** | IBM WAS, IBM Process Server, Portal |
|  | Server, Commerce Server, WebSphere |
|  | ESB, WebSphere MQ,Data Power, APACHE |
|  | WEBSERVER, IBM Http Server,NGINX |
|  | ,JBOSS/WILDFLY 8.x/9.x,TOMCAT, |
|  | WEBLOGIC , ZOOKEEPER , |
|  | KAFKA , |
|  | STORM , Adobe AEM (Content |
|  | Management) |
| **Languages** | C, C++, Java, UNIX Shell(Bash Scripting) |
| **Databases** | Oracle, DB2/UDB , My Sql , Cassandra , No Sql , Mongo |

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| **Tools** | CloudBees/Jenkins, GITLAB/SVN , Sonar Cube , Jfrog Artifactory , Wiki , Ldap browser, JMS test Client, Splunk, Eclipse , Service Now  , Jira , Puppet/Chef , Graphite/Dynatrace |