**Raghu**

**AWS Architect**

**PROFESSIONAL SUMMARY**

* **15 years** of experience in **Architecting, Developing, Enhancing, Automating, Configuring** and **Deploying Web based applications** in production and non-prod environments, Cloud Computing, Software Configuration Management (SCM) and Software Development.
* Experienced in Automation projects like testing framework using **Selenium**, **CI/CD** creation for large volume of various types of application did it for 500 odd projects etc.
* Polyglot programmer and worked on multiple languages like **C#, .Net, Python, Java, Swift, Kotlin**.
* Experienced in converting monolithic applications to microservices both on premises and on cloud.
* Designing **UI** with **ReactJS, Javascript OOPS, HTML5, CSS3, Bootstrap, AngularJS and Nodejs**.
* Experience in developing and maintaining microservices on **cloud foundry, AWS**.
* Experience in handling projects with **SOAP** and **REST services**.
* Was lead developer for projects in ASP.Net**/C#, ColdFusion**, **Java** with **Spring Boot**.
* Experienced in working on **CMS** like **Sitecore**.
* Experienced with creating and customizing **AWS VPC and Subnet, EC2, EKS services, API Gateway, Lambda**.
* Experienced in developing application using AWS signature 4 **REST API** on server less framework with lambda.
* Experienced in conversion of monolithic applications to microservice architecture onto cloud like **CloudFoundry**.
* Experienced in migration of projects from **CVS**, **SVN** to **GIT**.
* Experienced with **Amazon AWS Cloud Administration** which includes services **EC2, S3, EBS**.
* Familiar with creating and customizing **Azure Vnet and Subnet, NSG VM’s AKS services, API Management, App Gateway**.
* Experienced in using and configuring **AWS services** such as **EC2, EBS, RDS, CloudWatch, Auto-scaling,**
* **IAM, Route 53, and S3.**
* Setting up databases in AWS using S3 bucket and configuring instance backups to S3 bucket.
* Experience in architecting and configuring secure VPC through private and public networks in AWS.
* Configured and Managed **Elastic Load Balancing (ELB)** to avoid fault tolerance and avoid single point of failure of applications, hence provide high availability and network load balancing.
* Knowledge of Puppet as a Configuration management tool, to automate repetitive tasks, quickly deploy

critical applications, and proactively manage change.

* Experience in managing source code in **Subversion, Git, GitHub** and **CVS**.

***EDUCATION:***

* + Bachelor’s in engineering VTU 2005

***CERTIFICATION:***

AWS Solutions Architect Professional -- Feb 2021 to Feb 2024

**TECHNICAL SKILLS:**

|  |  |
| --- | --- |
| Programming Languages | Java, C#, javascript, kotlin, Python, Swift |
| Cloud Platform | AWS, Microsoft Azure, cloud foundry |
| Configuration Management | Chef, Ansible, Maven, Docker |
| Java framework | Jersey, Jackson, Xstream, Jettison, SpringCore, SpringBoot |
| Mobile Technologies | RxJava, Koins, RoomDB, OkHttp, Litho |
| Database | Oracle, SQLServer, MSSQL, cosmosDB, DynamoDB, Aurora. |
| Build Tools | ANT,MAVEN |
| CI/CD Tools | Jenkins |
| Version Control Tools | Subversion(SVN),GIT, Github, CVS |
| Languages/Scripts | Unix Shell, Bash |
| Operating Systems | Redhat, Ubuntu, Linux and WINDOWS, CentOS |
| Web Technologies | HTML, CSS, JavaScript, JQuery, XML, JSON, XSD, XSL, AngularJS, Reactjs, Bootstrap |
| Other tools | Jira, Splunk, Fortify, Black duck, Sonar |
| AWS Services | VPC,EC2,ECS, EKS, S3, IAM, KMS, CloudWatch, CodeCommit, CodeDeploy, Code Build, Code Pipeline, Cloud Trail, EBS, EFS, CloudFront, Route53, WAF, Lambda, Storage Gateway, Fargate |

**DXC Technologies, Dallas, TX Oct 2020 to Till Date**

***Role: Sr. AWS Solutions Architect***

This Product enables customers to optimize their AWS utilization and benefit from flexible consumption-based models such as infrastructure as a service and platform as a service. In addition to managing costs, these firms are benefiting from agile development and deployment of cloud-native applications. Integrated IT service management workflow, automation, and governance. Management of virtual machines, storage, and guest operating system, including patching, monitoring and backup/restore. Security management, including ActiveDirectory, firewall, endpoint protection, virtual network, and antivirus services. Service cost scaled to demand

## Responsibilities:

* Responsible for automation of ami creation, crowd strike integration and OS hardening.
* Responsible for development of offering in IAC in AWS using CloudFormation, lambda.
* Responsible in providing solution to optimize the functionality to latest AWS services, thereby saving costs
* Was proactive to provide solution for migration of existing storage technology to latest AWS services thereby saving 89% of their bill cost

# Environment:AWS:Lambda,Ec2,SSM,Docker,ECS,Fargate,S3,APIGateway,CloudFront,IAM,Route 53, Cloud Watch, Cloud Trail, VPC , GitHub, Jira, Practitest

**Colnny Nov 2019 to Oct 2020**

***Role: Application Developer/Architect***

***Mobile Application:*** This application is being developed for tracking water intake by notifying its customer for regular intake and also developed a system to ensure qualityof20 liter water bottles being delivered to the customer, along with an ordering system from the app. Hyperlocal advertising facilities will be provided based on the customer base.

## Responsibilities:

* Developed the app primarily in IOS using swift, but later based on the android market in India developed the app in android using kotlin, RxJava, room DB and OkHttp for offline first architecture
* Responsible for creation of authentication module for the app using Cognito and lambda to provide password less authentication and authorization
* Responsible for infrastructure creation and maintenance in AWS like API gateway, mobile pipeline creation in AWS code commit where it will deploy the app in play store, automation of Fargate.
* Domain based architecture was used and responsible for creation of Tracking and presentation domain in lambda, DynamoDB using NodeJS server less framework
* Created Infrastructure as Code using CloudFormation and deployed in three environments Dev, QA and prod
* Responsible for creation and maintenance of the environment

# Environment: Android, Kotlin, Sqlite, AWS: Lambda, Ec2, Docker, ECS, Fargate, S3, API Gateway, CloudFront, AppSync, Cognito, IAM, Route 53, Code Commit, Code Build, Code Deploy, Code Pipeline, Cloud Watch, Cloud Trail, WAF, VPC

**Cognizant/JPMC, Delaware May 2017 to Sept 2019**

***Role: Technical Architect***

**Responsibilities:**

* Conversion of Monolithic application to microservices using Java8, ReactJS, spring to cloud foundry from stand-alone server
* Creating dashboard for the application installed on cloud foundry using java, spring boot, ReactJS and hosting on GAIA (JPMC customized cloud foundry platform)
* Automating migration of 500 odd repositories from CVS to BitBucket using NodeJS by communicating with bitbucket rest api
* Had migrated traditional web applications to react and nodes onto cloud foundry
* Had resolved security issues reported by the Fortify scans
* Customized and Automated the CICD pipeline for 500 odd repositories with inclusive of black duck scans, fortify scans, Sonar
* Managing Client's AWS, cloud foundry Cloud based Platform as a Service (PaaS) and Infrastructure as a Service (IaaS) environments.
* Implemented the docker container for local development of java projects among projects
* Building, Installing or Managing servers in AWS/cloud foundry Cloud infrastructure.
* AWS (PaaS and IaaS), AppInsights, Splunk, Red Hat Linux Servers, Familiarity with DynamoDB and Aurora.

# Environment: Java8, J2EE, Spring MVC, SpringBoot, NodeJS, MariaDB, AWS, cloudfoundry, bitbucket, Docker, Kubernetes, Junit, maven, NodeJS and Python

**Cognizant/JPMC, Hyderabad April 2013 to May 2017**

***Role: Technical Architect***

**Responsibilities:**

* Lead and mentored a team of 10 resources, technically
* Involved in client meeting, for requirement gathering, issue tracking and knowledge sharing
* Lead a team for creation of selenium automation framework
* Played major in creation of the core framework of the automation
* Migration of applications from Struts to Spring mvc
* Migration of application build strategy from Maven to Ant
* Created monitors, alarms, and notifications for **EC2** hosts using **Cloud Watch.** Deploy and monitor scalable infrastructure on Amazon web services (**AWS**) & configuration management using **Ansible**
* Created Python Scripts to totally automate AWS Service which include Web Servers, ELB, CloudFront Distribution, databases, EC2 and database security groups, S3 buckets and application configuration and using these scripts, created stacks, single servers, andjoined Web servers to stacks
* Configured Elastic Load Balancers with EC2 Auto Scaling groups. Set up Auto Scaling Groups based onmemoryandCPUtoadapttounforeseenspikeswithouthavinganoutageorneedingmanualintervention.
* Created customized AMIs based on already existing AWS EC2 instances by using create image functionality, hence using this snapshot for disaster recovery.
* Handled operations and maintenance support for AWS cloud resources which includes launching, maintaining, and troubleshooting EC2 instances, S3 buckets, Virtual Private Clouds (VPC), Elastic Load Balancers (ELB) and Relational Database Services (RDS).
* ConfiguredanAWSVirtualPrivateCloud(VPC)andDatabasesubnetgroupforisolationofresourceswithin AWS RDS.

# Environment: Java 8, J2EE, Struts 2.0, JSP, Docker, Ansible, AWS, bitbucket, Jenkins, Maven, Apache Tomcat, Shell, Splunk, Kubernetes, Terraform, Junit and Python.

**AT&T/Tech Mahindra/ Pune May 2010 to Apr 2013**

***Role: Technical Lead***

**Responsibilities:**

* + Worked extensively on migration of struts to spring framework
  + Was key player in creation of services using rest api and conversion of SOAP to REST
  + Provided technical leadership.
  + Involved in complete SDLC, which includes requirement gathering, analysis, design, development, implementation, testing, upgrade, enhancements, maintenance, support for AT&T customer facing portal and AT&T Audit Portal in Java, Spring, ColdFusion
  + Involved in conversion of monolithic application into microservices using rest api with Java and spring mvc

# Environment: Java/J2ee, CVS, Maven, Subversion, Jenkins, Linux, ShellScripts, Oracle, Jersey, SpringMVC

**Eminosoft India Pvt Ltd Feb 2008 to April 2010**

***Role: Software Consultant***

* Details will be provided upon request

**Synergy MultiTech April 2006 to Jan 2008**

***Role: Software Engineer***

* Details will be provided upon request