SIVA CHAGANTI

STCHAGANTI@GMAIL.COM - 44 7459924956

Professional Summary

- 5+ years as **Cloud/DevOps consultant** experienced in **building** and **deploying** highly-available, cost-effective, secure & scalable **Domain Driven** applications on cloud platforms.
- Experience in designing and developing **Microservices** both **Server based** and **Serverless** incorporating modern design patterns using cloud services.
- Proficient in **Python programming**, with good experience working with **public cloud libraries** like **Boto3,** and common web frameworks such as **Flask** and **Django**
- Experience in **Dockerizing** Multi-tiered applications and deploying on public cloud platforms(AWS).
- Hands on experience working with **IAC** technologies like AWS **Cloud Formation** and **Terraforms** for deploying infrastructure on public cloud providers like **AWS**, **VMWare on AWS**.
- Involved in designing and developing **application configuration** management modules/playbooks using **Ansible**
- Experienced with source code management and versioning – Git, Bitbucket, AWS CodeCommit
- Experience with build tools/services like **Jenkins** and **AWS CodePipeline** for continuously building and releasing softwares in multi stage environments
- Strongly incorporated **Agile methodologies** in all implementations throughout my professional career for continuous development and integration

Technical Skills

Application and Middleware	*AWS Lambda, API Gateway, Cognito, Step Functions, RDS, CloudFront, SNS, SQS, Kinesis Streams, Kinesis Firehose, Systems Manager, AWS Service Catalog, AWS Batch, EC2, ECS Fargate, Docker, VPC, AppSync, KMS, ELB, Route 53, VMware On AWS, Certificate Manager, Google Compute, Kafka, Zookeeper, Apache Storm*
IAC	*Cloud formation, Terraforms, Serverless Framework, SAM(Serverless Application Model), Troposphere, Sceptre*
Configuration Management and CI/CD	*Ansible, AWS Systems Manager, Jenkins, AWS Code Build, AWS CodePipeline*
Programming/Scripting	*Python, NodeJs, C, Shell, Powershell*
Frameworks	*Flask, Django, Express, Leiningen*
Logging	*AWS Cloudwatch, ELK (ElasticSearch, LogStash, Kibana), Rapid7*
Databases/Storage	*MySql, Postgres, DynamoDb, MongoDb, S3*

Professional Experience

BizCloud Experts(*Advanced AWS Partner & GCP Partner***) - ***Senior Cloud/DevOps Consultant***

June 2016- March 2019

SiriusXM

- Involved in designing and developing next generation applications for **Connected Vehicles** on Amazon Cloud platform.
- Performed **Well Architected** analysis across the entire platform to remediate critical hazards and make it fault proof prior to production
- Developed **Cloud formation** templates and **Terraform** modules for entire infrastructure deployment
- Developed CI and CD jobs on **Jenkins** for applications, aligning with **GIT flow.**
- Designed and implemented **Centralized Logging** using Amazon **ElasticSearch** service for real time insights on all the microservices
- Implemented secured dynamic configuration for all microservices in the core platform using **AWS SSM Parameter Store** along with **Kinesis Streams**, **KMS** and **AWS Lambda**

Technologies - *AWS Lambda, API Gateway, ElasticSearch, Kibana, Systems Manager, Step Functions, DynamoDB, RDS, S3, Cloud Formation, SNS, SQS, ECS Fargate, Kinesis Streams, Kinesis Firehose, AWS Batch, Serverless, VPC, ALB, Route 53, Bitbucket, Python, NodeJs*

Avaya Inc

- Played as a lead engineer role in designing and developing workflows for **packaging** and **deploying** complex Avaya Applications such as **Avaya Contact Center (Oceana), UC (Equinox), IVR and Breeze development platforms** on Amazon Cloud.
- Lead architect and developer in building **Serverless Cloud Management Platform** on AWS which enabled customers and internal team to one-click provision and manage **POCs** and **Sandbox** environments for Avaya Solutions
- Worked closely with global customers like **Quicken Loans, AIG, Capital One, Abbot Labs, Citrix, Rackspace, Tesla, SCB(Standard Chartered Bank)**, **etc** to understand requirements for Avaya solution customizations.
- Developed modular **Cloudformation** templates and **Terraforms** modules, which were reused across different solution deployments
- Implemented IT governance by building different portfolios and products with **AWS Service Catalog** for enabling **self provision of infrastructure** needed for development and test jobs
- Lead the integration team by designing and developing secured **RestFul APIs** using **AWS API Gateway** for Solution deployment and management, which were used by internal applications as well as by other teams.
- Complete hands-on with **Ansible** and was involved in developing configuration management **Playbooks** for most of the internal Avaya applications, that were deployed as a part of entire Solution.
- Developed RestFul APIs to shoot **Ansible playbooks** on remotely managed Avaya Applications and published to internal implementation team for performing Day 2 operations and scheduling patches on deployed Instances.
- Always played a role of **mentoring new team members** within the team.

Technologies - *AWS Lambda, API Gateway, Cognito, Step Functions, DynamoDB, RDS, CloudFront, S3, Cloud Formation, SNS, SQS, Systems Manager, Terraforms, Serverless, AWS Service Catalog, EC2, VPC, Route 53, VMware On AWS, S3, Git, CodeCommit, Ansible, Python, NodeJs*

SurgeryLink

- Involved in **migrating** entire SaaS application from **Rackspace** to **Amazon Cloud**
- Refactored internal application modules for better application performance and fault tolerance.
- Used **Route53**, **AutoScaling** with **ALB**(Application Load balance) along with **Multi-AZ** RDS Mysql to make the entire application highly available and disaster proof
- Designed and implemented **Cloud Based contact center** for less that 20 agents using **Amazon Connect** with custom integrations for CRM

Technologies - *RubyOnRails, Kafka, Zookeeper, Apache Storm, MySql, Redis, AWS ALB, EC2, Auto Scaling, Route53, ACM, Git, Amazon Connect*

HCL Technologies - *Web/Python Consultant*

June 2012 - July 2014

- Part of backend **application and integration** team for building web services in Python for internal application.
- Involved in building database Model, APIs and Views utilizing Python, in order to build an interactive web based solution.
- Developed Merge jobs in Python to extract and load data into MySQL database.
- Also involved in developing **CICD pipelines** in **Jenkins** for build and deployment
- Developed custom modules using shell/perl/python for automating manual effort (**server hardening**, **server configuration**, **monitoring**, alerts) significantly reducing maintenance time, and human errors, which was used by entire team later

Technologies - *Python, Django, MySQL, Jenkins, Powershell*, *Apache Tomcat, SSL, Shell Scripting, Perl Scripting*

Education & Certifications

The University of Texas at Arlington	**May 2016**
Master's in Computer Science and Engineering.	

JNTU College of engineering	**May 2012**
Bachelor of technology in Computer Science and Engineering.	

AWS Certified SysOps Administrator Associate	**Sep 2018**
AWS Certified Solutions Architect Associate	**Sep 2016**
AWS Service Catalog Certified	**May 2018**
AWS Connect Certified	**Aug 2017**
ITIL V4 Foundation Certified	**Oct 2012**