**Sairaja Challagulla**

[sairaja.challagulla@gmail.com](mailto:sairaja.challagulla@gmail.com) Mossville, IL +1 270-943-4789

**SUMMARY:**

* Computer Science graduate offering a strong foundation in programming principles across multiple platforms.
* Designed the data models to be used in data intensive **AWS Lambda** applications which are aimed to do complex analysis creating analytical reports for end-to-end traceability, lineage, definition of Key Business elements from **Aurora.**
* Implementing an automated local user provisioning instances created in **AWS cloud** and **google cloud.**
* Responsible for installing **Jenkins** master and slave nodes. Configured Git with **Jenkins** and schedule jobs using **POLL SCM** option.
* Experience in using **Jenkins** as **continuous integration** tool to creating new jobs, managing required plugins, configuring the jobs selecting required source code management tool, build trigger, build system, and post build actions, scheduled automatic builds, notifying the build report.
* Working with **Ansible playbooks** for the automation that was defined through tasks using **YAML** format and run Ansible Scripts to provision Dev servers.
* working with **Puppet** Enterprise and **Puppet** Open Source. Installed, configured, upgraded, and managed **Puppet** Master, Agents & Databases.
* Developed Bash, Shell, Perl, Python scripts with focus on Devops tools and CI/CD architecture.
* Familiar in deploying the code through web application servers like **Web Sphere/Web Logic/ Apache Tomcat/ JBOSS.**

**TECHNICAL SKILLS:**

|  |  |
| --- | --- |
| **Version Control Tools** | Git, SVN, Perforce. |
| **Build Tools** | Maven, Ant. |
| **Continuous Integration** | Hudson, Jenkins, Bamboo |
| **Scripting** | Shell, Python |
| **Configuration Management** | Chef, Ansible, Puppet |
| **Web Tools** | JSP, PHP |
| **Databases** | MYSQL, NOSQL, Monodb |
| **Application Servers** | Apache Tomcat, WebLogic |
| **Monitoring Tools** | Splunk, Nagios. |

**AREAS OF EXPERTISE:**

* Application Testing
* Designing & Configuring Nodes
* Ticketing
* Monitoring
* Automation
* Troubleshooting
* Detailed documentation

**EDUCATION:**

**Webster University Orlando, Florida**

Master of Science October 2017

Majors: Cyber Security

**GITAM University** Visakhapatnam, A.P, India

Bachelor of Technology May 2014

Major: Information Technology

**PROFESSIONAL EXPERIENCE:**

**Veridic Solutions LLC, Norcross, GA *December 2017– Till Date***

*AWS Engineer*

* Developed and tested enterprise products, with current focus on **cloud-based** application and giving solution to challenges imposed by multi data center deployed **SaaS products** and their needs for DevOps tools and automation.
* Created **CloudFormation** Templates for different environments(DEV/stage/prod) to automate infrastructure (**ELB, CloudWatch alarms, ASGs, SNS, RDS** etc.) on click of a button.
* Configure, monitor, and automate **Amazon Web Services** as well as involved in deploying the content cloud platform on Amazon Web Services using **EC2, S3 and EBS**.
* Migrated data from **Datacenters** and on-premises to **Cloud** using **AWS Import/Export Snowball** service.
* Designed **AWS Cloud Formation** templates to create custom sized **VPC, Subnets, NAT** to ensure successful **deployment** of **Web applications** and **database templates**.
* Created and maintained **Amazon Virtual Private Cloud** (VPC) resources such as **Subnets, Network Access Control Lists (NACL), and Security Groups.**
* Used **Terraform** in AWS **Virtual Private Cloud** (VPC) to automatically setup and modify settings by interfacing with control layer.
* Worked on **Amazon RDS** Multi-AZ for automatic failover and high availability at the database tier for MySQL workloads. Development of **Application groovy**.

Configuring and managing **AWS Simple Notification Service** (SNS) and **Simple Queue Service (SQS).**

* Installation, Configuration and Management of **RDBMS** and **NoSQL** tools such as **Dynamo DB**.
* Responsible for the **Plugin Management**, build and deploy on **Jenkins Pipeline** Setup and End-End Job Setup of all the projects.
* Created **Docker** container **images** by **tagging** and pushing the images and worked on the infrastructure using **Docker containerization**
* **AWS EC2/VPC/S3/SQS/SNS** based infrastructure automation through **Terraform, Ansible, Python, Bash Scripts.**
* Installed, tested, and deployed monitoring solutions with **Splunk**.
* Configured **Nagios** to monitor **EC2** Linux instances with **puppet** automation.
* Monitoring - **Nagios, artifactory, Custom checks, Zabbix, App Dynamics, Splunk**