

## AWS CLOUD AND DEVOPS ENGINEER

### Professional Summary

Over 8 years of experience as a DevOps / Build and Release Engineering, Software confirmation & management in automating, build, deploy and release, cloud providers and API's for Amazon (AWS) . AWS Certified Solutions Architect with excellent proven track record in providing solutions. Hands on experience with an in-depth level of understanding in the strategy and practical implementation of AWS cloud-specific technologies like Elastic Compute Cloud (EC2), Simple Storage Services (S3), Route 53, Cloud Formation, Elastic IPs, Virtual Private Cloud (VPC), RDS and Cloud Watch. Experience with Troubleshooting AWS EC2 instances for Status check through System Status checks and Instance Status checks alerts and rectifying if necessary. Experience with configuring and managing Elastic Load Balancing (ELB) to implement fault tolerance and avoid single point of failure of applications. Good experience of AWS Elastic Block Storage (EBS), different volume types and use of various types of EBS volumes based on requirement. Good knowledge of customizing Amazon Machine Images (AMIs) & deploying these customized images based on requirements. Working with Elastic Beanstalk for quick deployment of services such as EC2 instances, Load balancer, and databases on the RDS on the AWS environment. Creating directories for use when creating workspace on Amazon Workspace. Perform LAMP installation and configuration on RedHat, Ubuntu and Amazon Linux instances needed for website development. Using GIT for cloning, pushing and creating of repositories. Securing and ensuring the integrity of servers and systems, by creating and managing security groups and network ACLs to ensure controlled access to instances. Experience in using inline-templates in the puppet environment. Hands on experience with Ops work in AWS cloud environment. Auto scaling instances to ensure 100% availability of servers and instance as well as preventing excess charge on unused instances during low traffic per customer's request. Granting security and Configured user access and limits using AWS Identity and Access Management (IAM) by creating new profiles and policies for user management in JSON. Configured AWS Multi Factor Authentication in IAM to implement 2 step authentication of user's access using Google Authenticator and AWS Virtual MFA. Experience with designing and configuring secure Virtual Private Cloud (VPC) through private and public networks in AWS and create various subnets, routing table, internet gateways for servers. Experience with creating alarms in CloudWatch for monitoring the server performance, CPU Utilization, disk usage etc. to take recommended actions for better performance. Experience with implementing several Continuous Delivery Pipelines for different products and automated cloud deployments using Chef and created Chef Cookbooks using recipes to automate system operations. Experience in development and configuration experience, LAMP setup on RHEL with software provisioning tools like Chef, Puppet and SaltStack. Wrote Recipes and Cookbooks and uploaded them to Chef-server, Managed On-site OS/Applications/Services/Packages using Chef as well as AWS for EC2/S3/Route53 & ELB with Chef Cookbooks. Wrote chef cookbooks using the several of its components like attributes, files, recipes, resources and templates. Experience in creating and implementing Salt Stack States in deploying infrastructure as a code. Worked on web servers like Apache and application servers like Web logic, Tomcat, Websphere to deploy code. Joined a newly formed enterprise shared technologies team to build an entire new PaaS infrastructure. Expertise in using build tools like MAVEN and ANT for the building of deployable artifacts such as war & ear from source code. Installation of Apache Tomcat on EC2 instances. Good knowledge of other services in AWS like Cloud front, Glacier, Cloud Trail and Simple Notification Service (SNS). MySQL Database backup (Hot/Cold) and recovery, repair and optimize tables. MySQL Database security, creating users and managing permissions. Strong understanding of Relational Database Management Systems, Object Oriented Programming Languages. Experience in designing optimizing the various SQL database objects tables, views, stored procedures, user defined functions, cursors, indexes and triggers. Strong experience in different phases of Software Development Life Cycle (SDLC) including analysis, design, implementation and testing. Strong written and verbal communications. Interested in challenging technical track career in an application development environment. Proficient in Microsoft Excel, Word and PowerPoint with exposure to Microsoft Access. Very strong at Technical and Quantitative skills. Authorized to work in the US for any employer

### Skills

- Client-focused
- Quick learner
- Results-oriented
- Training and development

### Experience

AWS CLOUD and DevOps Engineer Dec 2015 to Current

Asrc Federal Holding Company 1/4 Pensacola , FL

- Experience with Troubleshooting AWS EC2 instances for Status check through System Status checks and Instance Status checks alerts and rectifying if necessary.
- Experience with configuring and managing Elastic Load Balancing (ELB) to implement fault tolerance and avoid single point of failure of applications.
- Good experience of AWS Elastic Block Storage (EBS), different volume types and use of various types of EBS volumes based on requirement.
- Good knowledge of customizing Amazon Machine Images (AMIs) & deploying these customized images based on requirements.
- Working with Elastic Beanstalk for quick deployment of services such as EC2 instances, Load balancer, and databases on the RDS on the AWS environment.
- Creating directories for use when creating workspace on Amazon Workspace.
- Perform LAMP installation and configuration on RedHat, Ubuntu and Amazon Linux instances needed for website development.
- Using GIT for cloning, pushing and creating of repositories.
- Securing and ensuring the integrity of servers and systems, by creating and managing security groups and network ACLs to ensure controlled access to instances.
- Experience in using inline-templates in the puppet environment.
- Hands on experience with Ops work in AWS cloud environment.

- Auto scaling instances to ensure 100% availability of servers and instance as well as preventing excess charge on unused instances during low traffic per customer's request.
- Granting security and Configured user access and limits using AWS Identity and Access Management (IAM) by creating new profiles and policies for user management in JSON.
- Configured AWS Multi Factor Authentication in IAM to implement 2 step authentication of user's access using Google Authenticator and AWS Virtual MFA.
- Experience with designing and configuring secure Virtual Private Cloud (VPC) through private and public networks in AWS and create various subnets, routing table, internet gateways for servers.
- Experience with creating alarms in CloudWatch for monitoring the server performance, CPU Utilization, disk usage etc.
- to take recommended actions for better performance.
- Experience with implementing several Continuous Delivery Pipelines for different products and automated cloud deployments using Chef and created Chef Cookbooks using recipes to automate system operations.
- Experience in development and configuration experience, LAMP setup on RHEL with software provisioning tools like Chef, Puppet and SaltStack Wrote Recipes and Cookbooks and uploaded them to Chef-server, Managed On-site OS/Applications/Services/Packages using Chef as well as AWS for EC2/S3/Route53 & ELB with Chef Cookbooks.
- Wrote chef cookbooks using the several of its components like attributes, files, recipes, resources and templates.
- Experience in creating and implementing Salt Stack States in deploying infrastructure as a code.
- Worked on web servers like Apache and application servers like Web logic, Tomcat, Websphere to deploy code.
- Joined a newly formed enterprise shared technologies team to build an entire new PaaS infrastructure.
- Expertise in using build tools like MAVEN and ANT for the building of deployable artifacts such as war & ear from source code.
- Installation of Apache Tomcat on EC2 instances.
- Good knowledge of other services in AWS like Cloud front, Glacier, Cloud Trail and Simple Notification Service (SNS).

Build & Release Engineer Jun 2011 to Dec 2015

PayPal i¼ City , STATE

- Maintained and Administered GIT Source Code Tool.
- Created Branches, Labels and performed Merges in Stash and GIT.
- Developed Processes, Tools, Automation for Jenkins based Software for Build system and delivering SW Builds.
- Managed Build results in Jenkins and deployed using workflows.
- Delivered specific versions of various components of an application into target environments.
- Maintain and track inventory using Jenkins and set alerts when the servers are full and need attention.
- Modelled the structure for Multi-tiered applications orchestrate the processes to deploy each tier.
- Deployed Puppet, Puppet dashboard for configuration management to existing infrastructure Used Puppet to manage Web Applications, Configuration Files, Data Base, Commands, Users Mount Points, Packages Developed build and Deployment Scripts using ANT and MAVEN as build tools in Jenkins to move from one environment to other environments.
- Have used Confluence to create, share and discuss content and projects.
- Familiar and experienced with Agile Scrum development.
- Proposed and implemented branching strategy suitable for agile development in Subversion.
- Created Branches, and performed Merges in Source Tree& Stash.
- Installed and Configured Jenkins for Automating Deployments and providing an automation solution.
- Integrated GIT into Jenkins to automate the code check-out process.
- Used Jenkins for Automating Builds and Automating Deployments.
- Very strong Project Management experience performing ITIL RM /SCM activities.
- Attended daily Scrum meetings, kept up-to-date on best practices for JavaScript frameworks and techniques.
- Worked closely with Business teams on aligning business requirements with technical ones.
- Designed and implement front-end projects of various scope.
- Designed user interface for the product of gift card using Angular JS, jQuery, CSS3, HTML5 and JavaScript.
- Handled Browser compatibility issues for different browsers related to CSS and HTML.
- Used CSS3 Borders and jQuery Menus as part of the UI navigation.
- Produced client side validation through JavaScript and Ajax for asynchronous communication.
- Created interface to manage user menu using JS, Angular JS and JQuery.
- Environment: Jenkins, GIT, ANT, MAVEN, PUPPET, JIRA, Python, BASH & KORN Shell, JAVA/J2EE, Web sphere,CSS3, JavaScript,Angular JS,JQuery.

Linux System Administrator Jun 2010 to Sep 2011

Shriya Innovative Solutions, Pvt. Ltd i¼ City , STATE

- Responsible for Installation, Configuration and Upgradation of Red Hat Linux, CentOS on Remote Servers Installation, Configuration and Service start of Apache Tomcat Server.
- Installation and management of packages through YUM in Red Hat Linux and CentOS Created and Managed User, groups and their permissions, by using SUDO Involved in troubleshooting network configurations .
- Worked on SSH connections and configurations by using Putty Set up CRONJOB, for builds and backup.
- Worked in building scripts and responsible for installation procedures. Worked on managing users in LDAP server, as per the requirements. Correction of authentication issues with LDAP users in configuration file Maintenance of time-to-time backup of Web Servers Setting modes for SELINUX for enabling security.

- Created and Managed log file for troubleshooting errors Written bash scripts for installation of packages Interpret system log files for monitoring users .
- Document the written scripts, and migrate them to server for efficient utilization Environment: RHEL, Apache Tomcat, CentOS, Switches, Ports, LDAP server, Putty.

#### Education and Training

Bachelor of Science , Computer Science

#### Certifications

AWS Certified ( **Solutions Architect - Associate** Feb 2017 - Feb 2019)

CHEF Certified (Basic Chef Fluency badge)

CCNA Certified (Valid through Feb 9,2015)

#### Skills

Operating Systems: Windows, UNIX, LINUX ,CentOS.

**Amazon Web Services** : EC2, VPC, IAM, CloudFront, CloudFormation, OpsWorks, API gateway, Lambda, RDS, SNS, SQS, S3.

**Build Tools** : ANT, MAVEN, **Docker** , Gradle.

CI Tools: **Hudson/Jenkins, Chef** .

Languages: Java/J2EE, JavaScript, HTML5, CSS3,Shell scripting, SQL, **Python** , BASH & KORN Shell.

Tracking tools: Jira, Atlassian, BugZilla.

Web servers: WebLogic, WebSphere, Apache Tomcat, JBOSS. Databases: MYSQL, DB2, DynamoDB, SQL SERVER.

Monitoring Tools: Nagios, Splunk, AWS CloudWatch

Source control tools: GIT, Subversion , Tortoise SVN.