**SURYA GUNTUPALLI**

**Mobile No.:** 989-327-0344

**E-Mail:** surya03g@gmail.com

**AWS Cloud & DevOps Engineer**

**Profile Summary**

* 8+ years of experience in **Build and Release Engineering** in automating, building, deploying, and releasing of code from one environment to other environment.
* Worked as **AWS Consultant**/**DevOps Engineer** on Continuous Integration (**CI**) and Continuous Deployment (**CD**).
* Worked on **Linux** in a Cloud Computing and Virtualized environment for **Amazon Web Services.**
* Experience in managing applications using **Amazon Web Services (AWS) Cloud Solutions Arcihtect services** which includes services like: **EC2, S3, EBS, VPC, VPN, ELB, AMI, SNS, SQS, SWF, RDS, IAM, Route 53, Auto scaling, Cloud Front, Cloud Watch, Cloud Trail, Cloud Formation, OPS Work, Security Groups, Red Shift, Elastic Beanstalk, Storage Gateway, Lambda, Dynamo DB, Elastic Cache.**
* Experience in Software Development Life Cycle (SDLC), **Agile** **Methodologies**, Waterfall processes, Project Management and Project Release.
* Implemented **Continuous** **Integration** and **deployment** using various **CI/CD** Tools like **Jenkins**, **TeamCity,** **Chef**, and **Puppet, Ansible**, **uDeploy**.
* Experience in setting up Baselines, Branching, Merging, and Automation Processes using **Shell**/**bash** and **Batch** **Scripts** and tools like **GIT**.
* Experience in troubleshooting, configuring and Deploying Enterprise Applications in application servers such as **Tomcat**.
* Experience in Bug/Issue tracking tools like **SonarQube**, **Jacoos**.
* Expert in deploying the code through web application servers like **Web Sphere/Web Logic**/ **Apache** **Tomcat**/**JBOSS**.
* In-depth knowledge of installing, configuring, designing administering, and continuous integration and continuous deployment (**CI/CD**) of Jenkins/Hudson with other systems.
* Extensive experience using **MAVEN** and **ANT** as build tools for the building of deployable artifacts (jar, war & ear) from source code.
* Used **GIT** and **Bit Bucket** for keeping track of changes made to the source code based on versions.
* Rolling out Configuration management, Change Management and Requirement management strategies to the development Team.
* Installed and configured **Nexus** Repository Manager to share the artifacts between the teams within the company.
* Built and Deployed Java/J2EE to Tomcat Application servers in an agile **continuous** **integration** process and automated the whole process. Experience in working in java environment.
* Experience in managing environments **DEV**, **QA** and **PROD** for various releases and designed instance strategies.
* Experience with clear case. Maintained scripts to run C/C++ builds.
* Direct the implementation and configuration of migration tools from demo and pilot efforts to full-scale enterprise level phased migrations.
* Responsible for delivering migrations within schedule, scope and budget as designed in the migration strategies.
* Experience in administering applications on operating systems like **Linux**, **UNIX**, and **Windows**.
* Good analytical, problem solving, communication skills and have the ability to work either independently with little or no supervision or as a member of a team.

**Organisational Experience**

**Sr. DevOps Engineer/AWS Cloud Engineer**

**Recaro, Fort Worth, TX Nov 17 – Present**

* Experience in Software Integration, Configuration, building, automating, managing and releasing code from one environment to another environment and deploying to servers.
* Involved in supporting cloud instances running Linux and Windows on AWS.
* Extensive experience on configuring Amazon EC2, Amazon S3, Amazon Elastic Load Balancing IAM and Security Groups in Public and Private Subnets in VPC and other services in the AWS.
* Managed network security using Load balancer, Auto-scaling, Security groups, and NACL.
* Experience in Python programming for deployment of Java applications and implementation and automation of Shell scripts for release and build automation.
* Experience in migrating build.xml into pom.xml to build the applications using Apache MAVEN.
* Engineered Splunk to build, configure and maintain heterogeneous environments and maintained log analysis generated by various systems including security products.
* Extensively worked on Jenkins Continuous Integration and Continuous Deployment (CI/CD) pipeline jobs for end-to-end automation to build, test and deliver artifacts and troubleshoot the build issue during the Jenkins build process.
* Implemented Jenkins Code Deploy plugin to deploy to AWS and used to automate the build process and deploy the application to Tomcat server.
* Used Chef for configuration management of hosted Instances within AWS. Configuring and Networking of Virtual Private Cloud (VPC).
* Used Cloud Front to deliver content from AWS edge locations to users, allowing for further reduction of load on front- end servers.
* Used AWS Lambda functions as triggers for AWS Dynamo DB table.
* Provide support in all areas of Cloud (IaaS, PaaS, SaaS) to existing and perspective clients on multiple Cloud Platforms, Cloud Stack, Digital Ocean, AWS, and various PaaS platforms such as Cloud Foundry.
* Responsible for build and deployment automation using AWS, Docker, Kubernetes containers and Chef.
* Focused on containerization and immutable infrastructure. Docker has been core to this experience, along with Kubernetes. Experienced in using Docker Swarm and deployed spring boot applications.
* Developed container support for cloud environments and Docker. Deployed the applications in Docker containers and managed the containers in enterprise level.
* Created and implemented chef cookbooks for deployment and used Chef Recipes to create a Deployment directly into Amazon EC2 instances.
* Developed Chef Cookbooks to manage system configuration and for Tomcat, MySQL, Windows applications and versioned them on GIT repositories and Chef Server.
* Scripting of administration tasks using CLI, Power Shell, Shell, and Ruby. Built upstream and downstream jobs in Jenkins to build and deploy onto different environments.
* Expertise in implementation and maintenance of Apache HTTP, SMTP, DNS, TCP/IP, Security Management & Security trouble shooting skills.
* Performed Branching, Tagging, Release Activities on Version Control Tool GIT (GitHub).

**Environment:** AWS Cloud, AWS EC2, Cloud Watch, S3, EBS, VPC, ELB, AMI, IAM, Route 53, Auto scaling, Security Groups, Elastic Beanstalk, Redshift, Jenkins, GIT, Chef, Puppet, Ansible, JIRA, Docker, Python, Ruby, Shell Scripting.

**Sr. AWS Cloud Engineer/DevOps Engineer**

**Metco, Brookfield, WI Apr 16 – Oct 17**

* Provide infrastructure solutions consultation for the company teams onboarding to AWS.
* Provide consultation to Application Owners and Tech Leads for each individual application teams, design AWS solutions after understanding infrastructure requirements.
* Used EC2, auto-scaling and VPC to build secure, highly scalable and flexible systems that handled expected and unexpected load bursts.
* Implementing and setting up Route 53 for AWS Instances.
* Assist in the creation of Cloud Formation Templates for each application team using Terraform.
* Lead the creation of unique VPCs, Security Groups, and VGWs for each application.
* Assisted with migrating legacy Oracle, MySQL Database solutions into On-demand RDS based DB solution, increasing IOPS performance.
* Used MySQL, Dynamo DB, and Elastic Cache to perform basic database administration.
* Crafted solutions involving partial private cloud / AWS public cloud to store sensitive customer data.
* Designed high availability applications on AWS across Availability Zones and Availability Regions.
* Deploying code and managing application using AWS Elastic Beanstalk.
* Hands-on experiences with Cloud Formation and Lambda.
* Deliver cloud migration strategies leveraging mass migration technology and methodologies for hosted, or outsourced, architectures with full understanding of the underlying infrastructure services and technologies.
* Design migration strategies that incorporate client specific approaches driven by business and technical requirements.
* Design migration strategies, taking into consideration client business and technical roadmaps, data migration approaches, training and hand-off activities required to cutover and normalize operations activities.
* Creating snapshots and Amazon machine images (AMIs) of the instances for backup and creating clone instances.
* Designed roles and groups for users and resources using AWS Identity Access Management (IAM) and also managed network security using Security Groups, and IAM.
* Data Profiling, Mapping, and Integration from multiple sources to AWS S3/RDS/Redshift.
* Tuning the SQLs & Views in the Redshift. Data Validation, Quality check in Redshift using Python.
* Reviewing the explain plan for the SQLs in Redshift.
* Worked on version control tools like subversion and Git and utilized Source code administration customer apparatuses like GitHub, Git GUI.
* Have written various scripts in Python and Ruby for automating various application level tasks.
* Used java programming for automation of tasks.
* Manage implementation of Configuration Management Plan with TFS administration console.
* Created Builds with Basic and Enhanced features with TFS Trigger too
* Maintaining and creating Scripts Using Shell for automating Various System Processes.
* Implemented Continuous Integration and deployment (CI/CD) using various CI/CD Tools like Jenkins and TeamCity, uDeploy, Urban Code.
* Used build and deployment scripts using ANT and MAVEN as build tools in Jenkins to move from one environment to other environments.
* Worked on documentation Chef basics, Initial setup of Chef, Databags implementation, coding standards, Cookbook document, Testing docs. Bootstrapping instances using Chef and integrating with auto scaling.
* Developed Chef Cookbooks and Recipes to manage systems configuration. Also, worked with Ansible.
* Automated the cloud deployments using chef, python and AWS Cloud Formation Templates.
* Worked in SaaS, PaaS environments.
* Experience in creating complex JIRA workflows, project workflows, field configurations, screen schemes, permission schemes, and notification schemes.
* Involved in building own Paas with Docker; deployed various applications through Dockers containers.
* Experience with Splunk Searching and Reporting modules, Knowledge Objects, Administration, Dashboards, Clustering and Forwarder Management.
* Dockerized applications by creating Docker images from Dockerfile.
* Working closely with Cassandra loading activity on history load and incremental loads from DB2 and resolving loading issues and tuning the loader for optimal performance.
* Experience in LINUX and using SHELL scripting, Power Shell to automate processes.

**Environment:** AWS Cloud, AWS EC2, Cloud Watch, S3, EBS, VPC, ELB, AMI, SNS, IAM, Route 53, Auto scaling, Cloud Front, Cloud Trail, Cloud Formation, OPS Work, Security Groups, Elastic Beanstalk, Redshift, Jenkins, GIT, Chef, Puppet, Ansible, JIRA, Docker, Python, Ruby, Shell Scripting.

**AWS Cloud Engineer**

**Citi Group, Irving, TX Nov 13 – Mar 16**

* Responsible for configuring the build and release activities on critical enterprise level and web applications.
* Responsible for maintaining and deploying builds in AWS and Production environments.
* Build and release software baselines, code merges, branch and label creation and interfaced between development and infrastructure.
* Implemented Continuous Integration and deployment (CI/CD) using various CI Tools like Jenkins and TeamCity, uDeploy.
* Setup and build AWS infrastructure various resources, VPC EC2, S3, IAM, EBS, Security Group, Auto Scaling, and RDS in Cloud Formation.
* Automating backups by shell for Linux to transfer data in S3 bucket.
* Worked on moving middleware applications - infrastructure (IAAS) automation on AWS EC2.
* Utilized Cloud Watch to monitor resources such as EC2, CPU memory, Amazon RDS DB services, Dynamo DB tables, EBS volumes; to set alarms for notification or automated actions and to monitor logs for a better understanding and operation of the system.
* Designed, loaded, and managed a Redshift cluster of more than 2 terabytes of source system data over billions of records of fare-system and bus-location data.
* Created scripts for system administration and AWS using languages such as BASH and Python, Power Shell.
* Working with web deployment technology specifically Linux/Nginx/Apache/Tomcat.
* Monitoring applications health through dashboard. Maintained Nexus administration tasks.
* Deployment and management of many servers via script and chef, utilizing cloud providers as a direct JIRA.
* Built and Deployed Java/J2EE to a web application server in an Agile continuous integration environment and also automated the whole process.
* Worked on high-volume crash collecting and reporting system, built with Python.
* Implemented web services related applications using javascript, Node.js.
* Developed Processes, Tools, and Automation for Jenkins based Software for Build system and delivering SW Builds.
* Developed build and Deployment Scripts using ANT and MAVEN as build tools in Jenkins to move from one environment to other environments.
* Dynamically add and remove servers from AWS production environment.
* Maintained and Administered GIT Source Code Tool.
* Worked on Docker container snapshots, attaching to a running container, removing images, managing directory structures and managing containers.
* Installing, setting up & Troubleshooting Chef Master, agents, created and automated platform environment setup.
* Setup up and maintenance of automated environment using Chef Recipes & cookbooks within AWS environment.
* Writing Chef Recipes to automate our build/deployment process and do an overall process improvement to any manual processes.
* Maintained Chef Servers and management application that can use to build and deployment of existing Java/.Net applications environment.
* Designed, Installed and Implemented Ansible configuration management system.
* Used Ansible to manage Web applications, Environments configuration Files, Users, Mount points and Packages.
* Designed testing framework to support REST based web services API, User Interface, and database code to be tested for regression as the code is deployed in each environment.
* Knowledge of agile development methodologies like Scrum, Sprints.

**Environment**: AWS, Cloud Watch, EBS, EC2, Route 53, S3, Glacier, IAM, VPC, Cloud Front, Dynamo DB, Redshift, GIT, Maven, Jenkins, Bash Scripting, Python, Ruby Scripting, Chef, Puppet, JIRA, Java, JUnit, Docker, Ansible, Tomcat.

**Build & Release Engineer**

**HSBC, Salford, UK. Dec 11 – Oct 13**

* Release Engineer for a team that involved different development teams and multiple simultaneous software releases.
* Developed and implemented Software Release Management strategies for various applications according to the agile process.
* Linux System Administrator with Linux, Red hat.
* Experience building large infrastructure for disaster recovery and multi data center strategy.
* Involved in Building data backup/recovery strategy and plans.
* Created the Maven scripts to deploy the applications to Apache Tomcat and WebLogic Servers.
* Setup various Jenkins jobs for build and test automation.
* Participated in weekly release meetings with Technology stakeholders to identify and mitigate potential risks associated with the releases.
* Imported and managed multiple corporate applications into Subversion (SVN).
* Involved in creating new Build Definitions, creating, and updating Build Process Templates for new releases and new requirements.
* Involved in all projects that move to production and work closely with the Data Center, Development, Quality Assurance and Management teams to ensure cross communication and confirmed approval of all production changes.
* Provided end-user training for all Subversion (SVN) users to effectively use the tool.
* Developed build and deployment scripts using ANT/Maven as build tools and Jenkins as automation tool to move from one environment to other environments.
* Built and Deployed Java/J2EE to a web application server in an Agile continuous integration environment and also automated the whole process.
* Created and maintained the Shell/Perl deployment scripts for Web Logic web application servers.
* Developed shell scripts for automation of the build and release process.
* Involved in tweaking the existing ANT files in case of errors or changes in the project requirements.
* Perform periodic system audits on all environments to ensure that only controlled versions of software reside all environments.
* Responsible for the development and maintenance of processes and associated scripts/tools for automated build, testing and deployment of the products to various developments.
* Managed Maven project dependencies by creating parent-child relationships between projects.
* Jenkins and TeamCity are used as continuous integration (CI) tools for automation of daily process.
* Experience in creating complex JIRA workflows, project workflows, field configurations, screen schemes, permission schemes, and notification schemes.
* JIRA is used as ticket tracking, change management and Agile/SCRUM tool.

**Environment:** ANT, Subversion, Maven, AWS, Jenkins, Web Logic, JIRA, JAVA/J2EE, and Shell Script.

**Build & Release Engineer**

**Amazon, Hyderabad, India Apr 10 – Nov 11**

* Build and release software baselines, code merges, branch and label creation and interfaced between development and infrastructure. Performed all necessary day-to-day Subversion support for different projects.
* Building and monitoring in the project has been done continuously with a CI Tools like Bamboo.
* Built, configured, and supported Application team environments.
* Used Maven as a build tools on java projects for the development of build artifacts on the source code.
* Worked as a system administrator for the build and deployments process on the enterprise server.
* Documented project's software release management procedures with input decisions.
* Developed, maintained, and distributed release notes for each scheduled release.
* Created views and appropriate meta-data, performed merges, and executed builds on a pool of dedicated build machines.
* Involved in periodic archiving and storage of the source code for disaster recovery.
* Used Atlassian JIRA as ticketing tool.
* Involved in two production windows per week and monthly on-call support.
* Daily routine is to deploy the code to the lower environments, automating the deployments.
* Implemented Subversion branching and merging operations for Java Source Code.
* Responsible to maintain ANT Build Scripts and tweak if changes in the requirements.
* Worked with the Automation Team to Automate the Windows and Linux Deployments.
* Configured and Maintained the Bamboo build and automation jobs.
* Provided periodic feedback of status and scheduling issues to the management.
* Deployed the Java applications into web application servers like Apache Tomcat.
* Experience in creating complex JIRA workflows, project workflows, field configurations, screen schemes, permission schemes, and notification schemes.

**Environment:** LINUX, ANT, Subversion, Maven, Web Logic, JIRA, JAVA/J2EE, Shell Script.

**Build & Release Engineer**

**Taya Technologies, Hyderabad, India July 09– Mar 10**

* Building and monitoring software projects continuously with continuous integration tool Bamboo.
* Create and maintain build scripts for J2EE (Maven) applications.
* Expertise in using Maven to manage a project's build, reporting, and documentation.
* Create and maintain deployment scripts of Java/J2EE Applications to Web Logic Application Server.
* Used SVN for branching, tagging, and merging.
* Responsible for design and maintenance of the Subversion Repositories, views, and the access control strategies. Designed and implemented SVN metadata including elements, labels, attributes, triggers, and hyperlinks.
* Experience writing implementation plans for installing software components on build agents, and working with application services team to execute the install.
* Support QA regression deployments, monthly and weekly releases of applications.
* Extensive experience with Maven builds process and repository managers like Artifactory and Nexus.
* Working knowledge of Windows batch scripting, LINUX Shell scripting, ANT, Shell.
* Integrating the code quality analysis tools like Cobertura, Find Bugs, JUnit, PMD, and Checkstyle into the projects.
* Worked closely with the Development Team in the design phase and developed use case diagrams using Rational Rose.
* Worked with the Architects on SDLC process being the owner of post development environments.
* Participate in release coordination and communication to stakeholders.

**Environment:** SVN, Maven, Perl Scripts, Shell Scripts, XML, Web Logic, JIRA.

**Technical Skills**

Languages: Shell Scripting, Python, Power Shell, Bash, Ruby  
OS: UNIX/Linux, Centos, Ubuntu, Windows   
Sub Version Control: SVN, GIT, GITHUB, Code Commit, Tripwire   
Testing Tool: Jmeter   
Monitoring Tool: Cloud Watch, Nagios   
Automation Tools: Chef, Puppet, Ansible Jenkins, Docker, Vagrant, Kubernetes, Terraform,

Urban Code, Autosys, Clear Case.   
Build Tools: Maven, ANT

Bug Reporting Tools: JIRA, SonarQube, Jacoos

Analytical Tools: Splunk   
Cache: Redis, Elasticache   
Web Servers: Apache Tomcat, WebLogic, WebSphere, JBoss, Cassandra (Database tool)  
Load Balancer: Haproxy, Amazon ELB   
CI Tool: Jenkins, Bamboo, Hudson, BitBucket.    
Ticketing Tool: BMC Remedy Force

Security Tool: QRadar, Guardium   
Amazon Cloud Services:  EC2, S3, EBS, VPC, ELB, AMI, SNS, RDS, IAM, Route 53,

Auto scaling, Cloud Front, Cloud Watch, Cloud Trail, Cloud Formation, Security Groups, Red Shift, Elastic Beanstalk, Dynamo DB.

**Education**

* Bachelors in Electronics and Communications Engineering from Jawaharlal Nehru Technological University, India.