**Corp-to-Corp only. Please contact my Manager for further details at 732 734 0440**

Shravya Surineni

Sr. DevOps, AWS Cloud Engineer

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GREEN CARD Work Status

**Summary of Qualifications:**

* Result-driven IT Professional with **8 years** of experience in infrastructure management, software management, configuration management, software integration, release management.
* Extensive experience as **DevOps/Cloud/Build & Release Engineer** in solving complex problems with creative solutions, supporting development and Deployment of applications and also supporting operations in different environments/Release-streets.
* Expert in **Linux Administration** (**Installation, Configuration)**, Tuning, and Upgrades of Linux (Red Hat and Oracle)
* Extensive knowledge in all phases of the **software development life-cycle (SDLC**).
* Thorough on best practices of Software Configuration Management (SCM) in **Agile, Scrum, and Waterfall methodologies** and most recently **Continuous Integration (CI) and Continuous Deployment (CD) practices.**
* Version controlling experience using the toolset like SVN, Git and AWS such as branching, merging, and automation processes across the environments using SCM tools like **GIT**, Subversion (**SVN**), **Stash** and **TFS** on Linux and windows platforms
* Skilled in creating repositories, branches, tags in GIT and assist the developers to fix merging issues and Creating Local, Virtual Repositories in Artifactory for the project and release builds, repository management in Maven to share snapshots and releases of internal projects using **JFrog Artifactory** tool.
* Expert in using Build Automation tools and Continuous Integration concepts by using tools like **ANT, Jenkins, Hudson, Bamboo, TeamCity,** **and Maven.**
* Proficient in using **MAVEN** and **ANT** as a Build Tool for the building of deployable artifacts (jar, war & ear) from source code.
* Strong Experience on Continuous Integration/Continuous Delivery (CI/CD) using the Jenkins Pipelines, **Sonar, Maven and ANT**.
* Experience in Jenkins to automate most of the build related tasks.
* Experience in setting up **CI** (Continuous Integration) for major releases in **Jenkins** and **TeamCity.**
* Experienced with several **AWS services EC2, VPC, S3,Cloud-Watch**,**Route 53**, RDS, Cloud-Formation, **ELB**, **S3 Bucket**, **IAM**, Auto-scaling configurations and repository management tools **Artifactory** and **Nexus**
* Deployed and configured **Atlassian Jira** in both hosted and local instances for issue tracking, workflow collaboration, and tool-chain automation.
* Experienced in Migration & deployment of Applications with upgrade version of Application & Hardware, MS build, **batch script, IIS and Jenkins Administrator.**
* Good analytical, problem-solving, communication skills and can work either independently with little or no supervision or as a member of a team

**Technical competencies:**

Operating Systems Windows, Mac OS X, UNIX, RHEL 6.x/7.x, REDHAT, Linux Mint, Ubuntu, CentOS

SDLC Agile, Scrum, Waterfall

Version Tools GIT, ClearCase, SVN, Perforce, TFS

Build Tools ANT, MAVEN

CI Tools Jenkins, Bamboo, Hudson, TeamCity

CM Tools Puppet, Chef, Ansible, SALTStack

Servers Apache Tomcat, SSH, Https, Web Sphere, Web Logic, JBoss

Database MySQL, SQL, Oracle

Web technologies XML, HTML, JavaScript

Languages C, C++, Java, Shell, Ruby, Python

Repository Tools Artifactory, Nexus

Bug Tracking JIRA, HP quality center

Monitoring Tools Nagios, Zabbix, Cloud Watch, Splunk

Container Tools Docker, Kubernetes

Virtualization Tools VMware, Oracle Virtual box

Cloud Technologies Amazon Web Services (AWS), Azure, OpenStack, Cloudify

**Professional Experience:**

***Client: AT & T- Middletown, NJ***  *Feb 2018 - Present*

***Role: Sr. DevOps Engineer***

**Roles & Responsibilities:**

* Setup huge Kubernetes platform and providing assistance to various onboarding app teams and Containerized AT&T Microservices from Docker to **Kubernetes**
* Configuring the monitoring and alerting tools according to the requirement like **Prometheus** and **Grafana**, deployed multiple dashboards for individual applications.
* Setting up alerts and kube state metrics of the pods in each namespace where we can know the status of each pod/container restart count and also monitor logging events.
* Worked on multiple things like setting up **Kubernetes** dashboards with **AAF** (Application Authorization Framework) and also using kube config.
* Installed and Implemented **Ansible** configuration management system.
* Used **Ansible** server and workstation to manage and configure nodes.
* Used **Ansible** to manage Web applications, Environments configuration Files, Users, Mount points and Packages.
* Maintained high availability clustered and standalone server environments and refined automation components with scripting and configuration management (Ansible) and experienced in writing **Ansible** scripts.
* Deployed and Configured an **ELK** stack, setup the ELK Stack to collect, search and analyze log files from across servers.
* Created a **Jenkins** job which generate the Kubernetes namespace and mapped to their application users in each namespace.
* Used **Jenkins** as a Continuous Integration tool for build and deployment of JAVA code.
* Ensure the applications are not consuming more system resources than those allocated for their namespace by providing the resource quota to support which is automated through Jenkins
* Setting up **PVC (Gluster, Heketi),** automate script into all clusters.
* Worked on increasing namespace configuration (e.g., vCPU, memory) in runtime and also changed k8s configuration (e.g., add resources such as worker/master node) in runtime
* Worked on certificate delivery model for hosted apps inside container by init container approach for AAF where cert id, Deployer id/pw are defined and also created a Jenkins job to automate.
* Automated the **python** script for listing, deleting of VM’s and associated resources like (cinder, nova, ports, designated DNS) in multi-environments
* Design highly available, cost effective and fault tolerant systems using multiple **AWSEC2** instances, Auto Scaling, **AWS** Elastic Load Balance and **AWS** Amazon machine image (**AMI**s), DNS mapping with subdomain using **Route 53**.
* Setup and build AWS infrastructure various resources, **VPC EC2, S3, IAM, EBS,** Security Group, Auto Scaling, and RDS in Cloud Formation JSON templates
* Deployed applications on AWS by using Elastic BeanStalk
* Setting up Nagios on Dev VM’s to capture file system issues in environments
* Build servers using AWS, Importing volumes, launching EC2, RDS, creating security groups, auto-scaling, load balancers (ELBs) in the defined virtual private connection(VPC)
* Monitoring the servers using tools like Nagios and Splunk.
* Manage AWS EC2 instances utilizing Auto Scaling, Elastic Load Balancing and Glacier for our QA and UAT environments as well as infrastructure servers for GIT
* Worked on virtualization technologies like **VMWare**, **Vagrant** and worked with containerizing applications like **Docker, Kubernetes**.
* Wrote **Ansible playbooks** which is the entry point for Ansible provisioning, where the automation is defined through tasks using YAML format; also ran Ansible Scripts to provision.
* Automated various infrastructure activities like Continuous Deployment, Application Server setup, Stack Monitoring using Ansible playbooks using CI tool like run desk and Jenkins.
* Integrated Terraform with **Ansible**, Packer to create and Version the **AWS** Infrastructure, designing, automating, implementing and sustainment of Amazon machine images (AMI) across the AWS Cloud environment.
* Created and used **Ansible** templates to create customized configuration files for hosts and used Ansible Vault in playbooks to protect sensitive data.
* Created automation and deployment templates for relational and **NoSQL** databases including **MSSQL**, **MySQL, Cassandra** and **MongoDB**.
* Configuring, automation and maintaining build and deployment **CI**/**CD** tools **Jenkins, Bitbucket, ANT, Maven**, **Build Forge**, **Docker**-**registry**/**daemon**, **Nexus** and **JIRA** for Multi-Environment (Local/POC/NON-PROD/PROD) with high degrees of standardization for both infrastructure and application stack automation in **AWS** cloud platform.
* Worked on container based deployments using **Docker**, working with **Docker images, Docker Hub** and **Docker-registries** and **Kubernetes**.
* Created private cloud using **Kubernetes** that supports **DEV, TEST**, and **PROD** environments.
* Implemented a production ready, load balanced, highly available, fault tolerant, auto scaling **Kubernetes** infrastructure and **micro service** container orchestration.

**Environment:** ONAP (open network automation process), Ansible, Jenkins, Docker, Kubernetes, ANT, Maven, Ruby, Shell, Python, WebLogic Server 11g, Load Balancers, WLST, Apache Tomcat 7.x, Virtualization, Configured plug-ins for Apache HTTP server 2.4, Nginx, LDAP, JDK1.7, XML, SVN, GitHub, Nagios, Spunk, Prometheus, Grafana, Cloudify4.2, DCAE, ECOMP Controller

***Client: Vizient - El Segundo, CA*** *Aug 2016 - Dec 2017*

***Role: AWS Cloud Engineer***

**Roles & Responsibilities:**

* Designed an Infrastructure for different applications before migrating into amazon cloud for flexible, cost-effective, reliable, scalable, high-performance and secured applications.
* 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.**
* Configured **AWS IAM** and Security Group in Public and Private Subnets in **VPC.**
* Managed IAM accounts (with MFA) and IAM policies to meet security audit & compliance requirements
* Build servers using AWS: Importing volumes, launching **EC2, RDS**, creating security groups, auto-scaling, load balancers (**ELB**s) in the defined virtual private connection.
* Managed storage in AWS using **Elastic Block Storage, S3**, created Volumes and configured Snapshots.
* Utilized **AWS CLI** to automate backups of ephemeral data-stores to **S3 buckets, EBS** and create nightly **AMI**s for mission critical production servers as backups.
* Involved heavily in setting up the **CI/CD** pipeline using **Jenkins, Maven, Nexus, GitHub, Chef, Terraform** and **AWS.**
* Worked with AWS Code Pipeline and Creating Cloud Formation JSON templates which is converted to Terraform for infrastructure as code.
* Implemented Terraform modules for deployment of applications across multiple cloud providers.
* Configured an AWS Virtual Private Cloud (VPC) and Database Subnet Group for isolation of resources within the Amazon RDS Aurora DB cluster.
* Installed and Configured Continuous Delivery tools in AWS Code Pipeline, Code Build Code Commit and Code Deploy.
* Used **CloudFront** to deliver content from AWS edge locations to users, allowing for further reduction of load on front-end servers.
* Used **AWS BeanStalk** for deploying and scaling web applications and services developed with **Java, Node.js, Python** and **Ruby** on familiar servers such as **Apache,** and **IIS**.
* Implemented and maintained the monitoring and alerting of production and corporate servers/storage using **Cloud Watch**.
* Worked with DevOps practices using AWS, **Elastic Bean stalk** and **Docker with Kubernetes**.
* Managed network security using Load balancer, Auto scaling, Security groups and NACLS.
* Used Jenkins and pipelines to drive all micro services builds out to the **Docker-registry** and then deployed to Kubernetes, Created Pods and managed using Kubernetes.
* Installed and Administered Jenkins CI for **ANT and Maven Builds**.
* Setting up Continuous Integration for major releases in **Jenkins** and **TeamCity.**
* Used Jenkins AWS Code Deploy plugin to deploy and Chef for unattended bootstrapping in AWS.
* Connected Continuous Integration systems with the **GIT version control repository** and continuously built as the check-ins came from the developer.
* Managed Maven project dependencies by creating parent-child relationships between projects
* Involved in setting up builds using **Chef** as a configuration management tool and managed the configurations of more than 40 servers.
* Development and version control of **Chef Cookbooks**, testing of Cookbooks using Food critic and Test Kitchen and running recipes on nodes managed by on premise Chef Server.
* Created **Chef Knife,** Recipes and Cookbooks to maintain chef servers, its roles and cloud resources Also configuration tasks involving JDK, Tomcat, WebLogic binaries installation and domain creations
* Installed **Chef-Server** Enterprise On-premise/WorkStation/Bootstrapped the Nodes using Knife.
* Managed Nodes, Run-Lists, roles, environments, cookbooks, recipes in Chef.
* Deployed and Configured **Chef Server** and **Chef Solo** including **bootstrapping** of Chef Client nodes for provisioning.
* Developed **Chef Cookbooks** to install and configure **Apache Tomcat**, **Jenkins**, **and Run deck** and **deployment automation**
* Implemented rapid-provisioning and life-cycle management for Ubuntu Linux using **Chef**, and custom **Ruby/Bash scripts**.
* Scheduled Docker containers on google Kubernetes and kubeflow in google tensor transformations
* Worked in using **Dockers Swarm** and deployed spring boot applications. Evaluated **Kubernetes, Rancher** for **Docker container orchestration**.
* Designed **UDeploy** Processes that deploys multiple applications using **WAS, JBOSS, DM-Server** Containers across both virtual and bare-metal environments.
* Wrote Python scripts for pushing data from **Dynamo DB** to **MySQL** Database.
* Installation, Configuration and Management of RDBMS and NoSQL tools such as **Dynamo DB.**
* Created and maintained the Python deployment scripts for **Web Sphere web application server.**
* Responsible for build and deployment of Java applications on to different environments such as QA, UAT and Production.
* Involved in installing and configuring network infrastructure using routing and switching strategies, **TCP/IP** Network Services.

**Environment:** AWS,S3, EBS, ELB, Auto Scaling, VPC, IAM, Cloud Watch, Microservices ,Rancher, Kubernetes, Glacier, GCP, Dynamo DB, Mongo DB Ops Works, shell scripts, Ansible, Docker, Chef, Maven, Jenkins, GIT, SRE, Python, Apache Tomcat6.x/7.x, RHEL, UNIX/Linux Environment, VMware Server and Workstation

***Client: Sparta Systems - Hamilton, NJ***  *July 2013 - July 2016*

***Role: DevOps/Automation Engineer***

**Roles & Responsibilities:**

* Built and deployed java source code into application servers in an **AGILE** continuous integration environment.
* Worked in DevOps collaboration team for internal build and automation configuration management in Linux/Unix and windows environment.
* Used series of tools (**subversion, CVS, maven, Jenkins, chef, Jira**) and involved in day-to-day build and release cycles.
* Managed source control sys **GIT** and **SVN,** modified build related scripts developed in **ANT** (build.xml file).
* Developed build and deployment scripts and used **ANT/Maven** tools in Jenkins to span from one environment to other.
* Installation and support of various applications and Databases including **Oracle, MySQL** along with **Web Logic 10, JBOSS 4.2.x, Oracle 10g, Tomcat.**
* Implemented **Azure** Application Insights to store user activities and error logging
* Designed and maintained **AWS** infrastructure highly available, scalable, secured, monitored and alerting network infrastructure.
* Deployed the archives like war files into the **Tomcat** Application Servers, Build and administrate Continuous Delivery pipelines using Git, Vagrant, **Jenkins** and Groovy DSL.
* Used Ansible and Packer to build **Jenkins** master AMI (this includes Groovy to configure plugins configuration files and jobs deployed with DSL plugin, Ruby and Vagrant file to help with testing of that AMI and a Python script to help rotate old versions of the AMI).
* Worked on cloud automation using **AWS** cloud Formation Templates, **Chef, Puppet**.
* Implemented CloudTrail in order to capture the events related to API calls made to AWS infrastructure.
* Configured AWS Identity Access Management (**IAM**) Group and users for improved login authentication.
* Launched & configured of **Amazon EC2** (AWS) Cloud Servers using AMI's (Linux/Ubuntu) and configuring the servers for specified applications.
* Worked on **AWS** designing and followed Info security compliance related guidelines.
* Designing and implementing for fully automated server build management, monitoring and deployment By Using DevOps Technologies like **Puppet.**
* Created **Puppet** manifests, profiles and roles module to automate system operations and also Developed/managed **Puppet** manifest for automated deployment to various servers.
* Deployed puppet, puppet dashboard and **PuppetDB** for configuration management to existing infrastructure.
* Constructed the puppet modules for continuous deployment and worked on Jenkins for continuous integration.
* Automated Linux production server’s setup using **Puppet** scripts. Used these scripts to replicate production build environments on a local dev boxes using Vagrant and Virtual Box.
* Wrote Ansible Playbooks with **PythonSSH** as the Wrapper to Manage Configurations of OpenStack Nodes and Test Playbooks on AWS instances using Python.
* Worked on single node and multi node OpenStack cloud platform, Virtualization and was one of the top contributors, a service part of OpenStack cloud software
* Installed, configured and automated build jobs in Jenkins for continuous integration using various plugins in **AWS** pipelining.
* Performed Continuous Delivery in a Micro Services infrastructure with **Amazon Virtualix**, **Docker** and **Kubernetes.**
* Created **Jenkins** workflows using Groovy script to automate entire build and deployment process.
* Performed multiple and consistent deployments using UDeploy to JBoss
* Built and maintained Docker infrastructure for Service oriented architecture (SOA) applications.
* Worked on Continuous integration tools like Jenkins to build and test the applications and working on issue tracking tool like iTrack, **JIRA,** Confluence.
* Managed monitoring using **Nagios** and updated parameters with active and passive checks.

**Environment**: Linux (RedHat, Solaris, Ubuntu), Windows, AWS, Puppet, PuppetDB, Chef, Ansible, Docker, WebLogic, JBoss, Oracle, MySQL, Ant, Maven, CVS, GIT, SVN, Jenkins, Docker, ITrack, Jira, kernel, Memory, Swap

***Client: Dakota Systems - Chicago, IL*** *Oct 2012 - May 2013*

***Role: Build & Release Engineer***

**Roles & Responsibilities:**

* Involved in Installing Jenkins on a Linux machine and created a master and slave configuration to implement multiple parallel builds through a build farm.
* Built and Deployed java source code into application servers in an agile continuous integration environment.
* Developed and implemented Software Release Management strategies for various applications per the agile process.
* Coordinated application release with Development, **DBA, QA** and project management teams.
* Used Jenkins as a Continuous Integration tool for build and deployment of **JAVA** code.
* Automated the deployment and server bounce for **JBoss** Applications.
* Used **GIT** for branching, tagging, and merging.
* Support QA regression deployments, monthly and weekly releases of applications.
* Worked on **Maven** build process and repository manager Nexus.
* Extensively worked on Windows batch scripting, **LINUX Shell scripting, Perl** and **Maven Pom Scripting**.
* Used **JIRA** for Issue Tracking and monitoring.
* Deployed using Admin console into **JBoss** Application Servers
* Worked closely with the team to review code for compatibility issues, resolve issues as they arise, and implement deployment processes and improvements on a continuous basis.
* Generated **Ant, Maven, Perl** & **UNIX** scripts for build activities in QA, Staging and Production environments.
* Managed Users and Groups in SVN and involved in troubleshooting client spec issues and user issues.
* Automated the deployment and server bounce process by creating the scripts using Web Logic Scripting Tool (**WLST**).
* Built artifacts (WAR's and EAR's) are deployed into a WebLogic application server by integrating the WLST scripts to Shell Scripts.
* Maintained configuration files for each application for build purpose and installed on different environments.
* Directed the Release Management Calls to synchronize with the Developers, Testers and DBA teams for successful Release.
* Used Maven dependency management system to deploy snapshot and release **artifacts** to **Nexus** to share **artifacts** across projects.
* Configured and maintained Jenkins to implement the CI process and integrated the tool with Maven to schedule the builds.

**Environment:** Git, Subversion, Apache Tomcat, Bamboo, Jenkins, Maven, Confluence, Artifactory, Rally, Jira, Puppet, CentOS, Python, Yum, Shell Scripts

***Client: Cyient Limited - Hyderabad, India*** *July 2011 - Aug 2012*

***Role: Linux Administrator***

**Roles & Responsibilities:**

* Worked on PC assembling and Computer Hardware & Networking where Planning, Implementation Administration, and troubleshooting is involved with multiple platforms of OS.
* Installation and configuration of Ubuntu Red Hat, Cent OS on a variety of different.
* Worked on Server platforms that contained Apache, **MySQL**, PHP5 and Samba Server configuration with Samba Clients mail, and **FTP** server.
* Installation and configuration of mail server and Zpanel in Linux. (Red Hat Cent OS, Ubuntu).
* Implementation **SVN** and **GIT hub**. (Linux, window Mac).
* Designed desktop and server systems in Linux/window.
* Implementation and installation of hardware and software components.
* Implemented central system log server with appropriate log file analysis in Linux/window.
* Worked on installing, and configuring Antivirus /Firewall.
* Worked on installing and maintenance of VM in Linux.
* Trouble shooting Server/Desktop/Laptops.
* Worked on Hardware and software upgradation.
* Maintain and upgrade the hardware/ software as and when required.
* Manage and maintaining web server and C Panel and WHM.
* Provision the new Linux Server based on the need.
* Linux Server Updates and Patching.
* Authentication and Authorization Management.
* Troubleshooting of Linux Severs and QA Deployments.
* Managing the Large number of VMS in VMWARE.
* Monitoring Major Important Services.
* Backup & Restore all the important data of the servers.

**Environment:** REDHAT Linux, Oracle WebLogic 9.x/10.x, Tomcat, Oracle 11g, GIT, Subversion (SVN), Tortoise SVN, ANT

**Education:**

* **Bachelor’s Degree in Computer Science** (Graduated in 2011)

Amrita University of Engineering, India

**References:** Provided upon request…