**Ravula Sridhar**

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**PROFILE SUMMARY**

* 14 years of experience in Configuration Management, Infrastructure, Build and Release Management, Deployment and DevOps engineering.
* Hands on experience of Build & Deployment phase and usage of Continuous Integration (CI/CD) tools, build configuration, change history for releases, Maintenance of build system, automation & smoke test processes, managing, configuring, and maintaining source control management systems.
* Experienced In automating cloud provisioning, configuration management, application deployment, intra-service orchestration using **Ansible, Terraform, Puppet** configuration Management tools.
* Expert in providing IAAS solutions using **Google Cloud and Amazon AWS**.
* Expert In implementing HashiCorp tools such **Terraform, Consul, Vault**
* 3 + years worked in Client Location British Telecom, London UK.
* Experienced in implementing chef, Puppet.
* Worked on source controller tools like **Subversion (SVN), CVS and GIT**.
* Experienced in **MySQL, Oracle, REDIS, Mongo**.
* Experienced in container based deployments with Docker
* Use MAVEN & ANT as Build Tool for building of deployable artifacts (war & ear) from source code
* Ability in development and execution of XML, Shell Scripts and Perl Scripts.
* Good Experience in AWS cloud
* Auto Scaling of Infrastructure using Amazon Cloud Formation
* Extensively worked on Jenkins for continuous integration and for End to End automation for all build and deployments.
* Automated processes with custom built **Python & Shell scripts**.
* Good Experience in Nagios and F5 Load balancer.
* Deploy code through web application servers like Web Sphere/ Web Logic/ Apache Tomcat/JBOSS
* Writing different Chef Cookbooks for installing, configuration, and upgrading different
* Applications on the Servers.
* Good Experience in managing Sonatype Nexus/ Artifactory repositories for maven artifacts and dependencies
* Excellent experience in documenting and automating the build and release process.
* Ability in managing all aspects of the software configuration management process including code compilation, packaging/deployment / release methodology, and application configurations.
* Expertise in Querying RDBMS such as Oracle, PostgreSQL & MY SQL by using SQL for Data integrity.
* Knowledge in understanding principles & best practices of Software Configuration Management (SCM).
* Strong knowledge on source controller concepts like Branches, Merges and Tags.
* Exposed to all aspects of software development life cycle (SDLC) such as Analysis, Planning, Developing, Testing and Implementing and Post-production analysis of the projects.
* Experience in using bug tracking systems like JIRA, Bugzilla, HP Quality Centre and IBM Clear Quest.
* Managed environments DEV, SIT, QA, UAT & PROD for various releases & designed instance strategies
* Worked with Engineers, QA and other teams to ensure automated test efforts are tightly integrated with the build system and in fixing the error while doing the deployment and building (Agile Projects)
* Hands-on Development Experience in Java and J2EE Applications
* Self-motivated and resourceful team contributor, able to quickly grasp new technologies; deft at tracing complex build problems, release & environment issues in multi-component environment
* Excellent hands-on trouble-shooting, problem solving and communication skills; analytical leader with ability to work efficiently in both independent and teamwork environments.

**TECHNICAL SKILLS**

|  |  |
| --- | --- |
| Cloud Computing | Amazon Web Services: EC2, Elastic Load balancer (ELB), S3, Glacier, VPC, Monitoring |
| Configuration Management | ANT, Maven, GIT, SVNSubversion, erforce, Clear Case, Jenkins, Cruisecontrol.net, Ms build, Ms Deploy, Build forge, Bamboo, Puppet, Chef. |
| Tools/ Webservers | Web Sphere Application Server 3.5, 4.0, WebLogic Server, Jira, JBOSS, Apache Tomcat server, IIS, Artifactory, Nexus, Jira, Confluence. |
| Scripting/ Languages | C, C++, Java, .Net, Shell scripting, Python, Ruby and Perl Scripting. |
| Database | Sybase, Oracle 7.x/8.0/9i/10g, MySQL, DB2 |
| Networking/ Protocols | DNS , TCP/IP, FTP, HTTPS, SSH, SFTP, SCP, SSL, ARP, DHC Pand POP3 |
| Operating Systems | Sun Solaris 7, 8, 9&10 Linux (Red Hat 5.x, 6.x, SUSE Linux 10), AIX, VMware ESX, Windows NT/2000/2003/2012, CentOS, Ubuntu. |

**Education:**

**Master of Computer application** from Madras university - 2004, Tamil Nadu, India

**WORK EXPERIENCE:**

***INS ZOOM Inc, Pleasanton, CA*** **Feb 2018 – Till date**

***Role: Sr DevOps Engineer***

**Responsibilities:**

* Installed/Configured/Managed TFS online Services.
* Configured Jenkins pipeline using Jenkins file groovy scripts.
* Implemented python scripts to consolidate the Aspx file for legacy platform.
* Implemented SQL automation using PowerShell script
* Configured New Relic for all production servers using ansible modules.
* Created full stack with ansible and AWS for .net environments using cloud formation.
* Implemented terraforms to provision servers and applying ansible roles to install necessary configurations in servers.
* Implemented roles and groups and handled all the environments with respect to infrastructure automation and complete deployment.
* Automated complete .net Frame work builds and deployment using ansible with Jenkins wrapper builds.
* Configured the routing rules and configured the Inbound and Outbound rules in Security groups as per the requirements.
* Configured Nodejs Builds in Jenkins to automate NPM builds and Angular JS for new Stacks.
* 25 Components automated using Jenkins and ansible
* Configured ansible modules to install .net core framework and Node JS installation and Postgress.
* automated windows services using Jenkins and ansible
* implemented docker containerization for new development stack.

***Rodan and Fields, San ramon,CA*** **Nov 2016 – Feb 2018**

***Role: DevOps Engineer***

**Responsibilities:**

* Installed/Configured/Managed Jenkins CI Automation.
* Configured Jenkins pipeline using Jenkins file groovy scripts.
* Configured the maven and integrated with Jenkins
* Configured all the dependencies in Jfrog artifactory and helps developers to sort out the maven related build issues.
* Configured mule soft application with maven builds.
* Configured elastic beanstalk application using cloud formation for PHP applications.
* Handled 1500 VMs in AWS. Across multiple regions.
* Configured full stack using cloud formation templates like VPC and RDS for the POS(conventions project)
* Configured auto scaling environment and MultiAZ production RDS environments.
* Hand on with Apcera which is containerization underlying docket platform. Developed the manifest to for the deployment and environment creation using MRMS.
* Configured the New Relic AWS plugin for the production environment monitoring for VPC, EBS, EC2, SQS,RDS,REDIS.
* Configured the default routers and configured the Inbound and Outbound rules in Security groups as per the requirements.
* Ansible tower configured for all the environment deployment automation.
* Configured Splunk in all the servers for log analysis.
* Configured new relic app agent and infra agent in Production and non-production servers.
* Configured the full stalk for the New Pulse application in AWS using Terraform.
* Configured Jenkins job to deploy elastic bean stalk applications.
* Implemented elastic cache Redis database for the in memory data usage for POS application.
* Configured AWS SQS and SES for email notifications and messaging services.
* Configured AWS load balancers for the production platform and setup the inbound and outbound rules. And certificate installation.
* Implemented Apcera manifest to deploy the applications in Apcera platform.
* Jenkins master and slave module configuration using Ansible.
* Implemented Ansible modules for the entire environment ready ness.
* Implemented Ansible jobs to spin up the instances in on premises like equinox and rakespace.
* Configured wrapper jobs for the Hybris ecommerce application deployment in windows machines.
* Installed/Configured and Managed Nexus Repository Manager and all the Repositories.
* Created various branches for each purpose, mergeda from development to release branch, created tags for releases.
* Interacted with client teams to understand client deployment requests.
* Coordinate with Development, Database Administration, QA, & IT Operations to ensure no resource conflicts.
* Deployed web applications into different application servers using Ansible playbooks.
* Assisted Project Managers to understand code/configuration release scope and how to confirm a successful release
* Built & Deployed Java/J2EE to web application server in Agile continuous integration environment and automated
* Created and maintained the Shell/Perl deployment scripts for Web Logic web application servers.
* Handled large complex software systems to isolate & reproduce defect, assess risk and deployment of customers

**Environment: GIT, Apcera, Maven, AWS, Jenkins, Nexus, Ansible, Perl, shell, Microsoft IIS, Hybris,Tomcat, F5 Load Balancer, Groovy, Sonar, Ansible.**

***Lowes, Mooresville, NC*** **Sep 2016 – Nov 2016**

***Role: DevOps Engineer***

**Responsibilities:**

* Installed/Configured/Managed Jenkins CI Automation.
* Configured Jenkins pipeline using Jenkins file using groovy.
* Configured android builds for lowes mobile apps
* Implemented Docker, Jenkins master and Jenkins slave module using puppet.
* Created new puppet module for bamboo agent configuration
* Created DSL specific jobs in Jenkins.
* Created various profiles and roles in puppet configuration
* Created puppet modules to perform Linux administration activities.
* Spin up the new Virtual machines using puppet.
* Implemented spec and beaker spec testing for each module in puppet using bundler gems.
* Configured R10k environment for puppet deployments to handle development and production modules.
* Implementing a Continuous Delivery framework using Jenkins, Maven, and Nexus in Linux environment.
* Automated PM2 deployments for nodeJs app application
* Experienced handling organization docker trusted registries
* Wrote Pom.xml for Maven application builds Automation
* Making the applications containerized using docker file.
* Installed/Configured and Managed Nexus Repository Manager and all the Repositories.
* Created various branches for each purpose, Merged from development to release branch, created tags for releases.
* Interacted with client teams to understand client deployment requests.
* Integrated JIRA with Stash and created automated release Notes,
* Involved JDK, tomcat binaries installations using puppet manifests.
* Coordinate with Development, Database Administration, QA, & IT Operations to ensure no resource conflicts.
* Deployed web applications into different application servers using Jenkins.
* Generated reports on different bugs & tickets using JIRA/ Bug tracking; created & solved blocked/unassigned tickets
* Assisted Project Managers to understand code/configuration release scope and how to confirm a successful release
* Built & Deployed Java/J2EE to web application server in Agile continuous integration environment and automated
* Created and maintained the Shell/Perl deployment scripts for Web Logic web application servers.
* Handled large complex software systems to isolate & reproduce defect, assess risk and deployment of customers

**Environment: GIT, Docker, Maven, Jenkins, Nexus, Puppet, Perl, shell, WebSphere Server, IBM IHS tomcat, F5 Load Balancer, Groovy, Sonar, VMWare.**

**EE*, London, United Kingdom, CGI* January 2010 – May 2016**

***Role: DevOps Engineer***

Harlequins provides a new systems stack which will allow CPs(customer Providers) to order voice, broadband, and call package products from the same portal. Typically, a Customer Service Agent (CSA) working for the CP will use the Harlequins Customer Management Centre (CMC) portal to order and simultaneously provide voice and broadband services for a new customer.

**Responsibilities:**

* Installed/Configured/Managed Jenkins CI Automation.
* Implementing a Continuous Delivery framework using Jenkins, Maven, and Nexus in Linux environment.
* Writing different puppet Manifests for installing, configuration, and upgrading different

Applications on the Servers.

* Developed the Puppet modules to automate, deployment and environment automation
* Wrote Pom.xml for Maven application builds Automation
* Implemented python script for daily tasks.
* Installed/Configured and Managed Nexus Repository Manager and all the Repositories.
* Python scripts implemented for password masking
* Created various branches for each purpose, Merged from development to release branch, created tags for releases.
* Interacted with client teams to understand client deployment requests.
* Integrated JIRA with SVN and created automated release Notes using Perl Scripts; used JIRA to track issues
* Written several cookbooks which include recipes to perform Installation and Configuration Taks
* Implemented the Chef Software setup and configuration on VM’s from the scratch and deployed the run-list into chef-server and bootstrap the chef clients remotely.
* Involved in searching node attributes using Knife.
* Deploying the cookbooks, recipes using knife tool from Chef-DK Workstation to Chef-server
* Involved jdk, tomcat, WebLogic binaries installation and domain creations.
* Deploy and monitor scalable infrastructure on Amazon web services (AWS)configuration management
* Coordinate with Development, Database Administration, QA, & IT Operations to ensure no resource conflicts.
* Deployed web applications into different application servers using Jenkins.
* Generated reports on different bugs & tickets using JIRA/ Bug tracking; created & solved blocked/unassigned tickets
* Assisted Project Managers to understand code/configuration release scope and how to confirm a successful release
* Provided end-user training for all Subversion (SVN) users to effectively use the tool.
* Built & Deployed Java/J2EE to web application server in Agile continuous integration environment and automated
* Created and maintained the Shell/Perl deployment scripts for Web Logic web application servers.
* Handled large complex software systems to isolate & reproduce defect, assess risk and deployment of customers

**Environment: Chef-DK, Chef workstation, Chef, Ngnix, Nagios, Tomcat, Apache web server, Red Hat Linux 5,SVN, Jenkins, MongoDB, Web Services, Shell script, Python.**

**BT WLMS, *British telecom, CGI, India* Dec 2008 - January 2010**

***Role: Build and Release Engineer***

The main feature of this system is we are provide the broadband connections and sim, land line phones,

We are supporting to the billing system also.

**Responsibilities:**

* Installed/Configured/Managed Jenkins CI Automation.
* Responsible for the Plugin Management, User Management, Build/Deploy Pipeline Setup and End-End Job Setup of all the projects.
* Jenkins is used as a continuous integration tool for automation of daily process.
* Installed/Configured and Managed Nexus Repository Manager.
* Responsible for Continuous Integration(CI) and Continuous Delivery(CD) process implementation from Dev to SIT, SIT to Pre Prod/ Pre Prod to Production systems using Jenkins, GIT, SVN, Puppet automation tool.
* Configured Nagios setup in all the servers.
* Implemented Nagios core/XI for monitoring Infrastructure resources.
* Automated Nagios services for database server, web-server, application-server, networks, file sizes, RAM utilization, Disk performances using shell script
* Created weekly release plan, definition, collection, analysis & presentation of Release Project Metrics
* Wrote Pom.xml for Maven application builds automation.
* Implementing Correction-actions in case of deviation from the Release plan.
* Tracking code migration and testing efforts in all environments (i.e., Integration, Sys. Test, UAT, Performance/ Tech. Test, Training & Staging environments & final migration into Production Environment.
* Automated Nagios services for database server, web-server, application-server, networks, file sizes, RAM utilization, Disk performances.

**Environment: Ngnix, Nagios, Tomcat, Apache web server, Red Hat Linux 5,SVN, Jenkins, Web Services, Shell script, Python.**

**CALYPSO, Polaris *software labs, India* Sep 2007 - Dec 2008**

***Role: Build and Release Engineer***

The generic reporting tool is component based. All components are running in a Spring Framework IOC container. The only exception is the main classes which initiate the IOC context and trigger the reporting process.GDSReport framework is used to generate the reports as per the client requirements. For example if the clients need any report which contains the trade or product or PNL and information. Each report will be generating with different formats like PDF, CSV and etc.

**Responsibilities:**

* Provided detailed documentation of complex build and release process, MOPs, build cycles and calendars including creating build reports and Release notes.
* Participated in Stand-up, Bug Scrubbing & Sprint planning meetings as best practices of agile environment
* Configured multiple jobs on Jenkins for different projects.
* Worked on Integrated JIRA with subversion and Jenkins to automate the weekly build process.
* Used Bash Scripts and Shell scripts to automate deployment process.
* Assisted Release Manager to deploy APKs and IPKs.
* Written WLST scripts to deploy the WAR/WAR files to the target WebLogic Server
* Involved in estimating the resources required for the project based on the requirements
* Performed Subversion functions like merging, creating branches and tags using Tortoise SVN/ Visual SVN.
* Create and maintain Subversion Branching, Merging and Tagging across teach production releases and perform builds using Hudson Continuous Integration using Maven Build scripts.
* Convey Release information in presentations, training, meetings and knowledge sessions.

**Environment: Subversion, Jenkins, Maven, ANT, Apache Tomcat, LINUX, Shell scripts,**

**O2 Companion, ARTECH *Info Systems*, *India* Sept 2005 – Sept 2007**

***Role: Build and Release Engineer***

O2 is a leading mobile communications services provider in Europe, which was diverged from BT in 4 Q 2001.Sending SMS from your mobile can be done very easily by typing on the handset and then clicking the send button. But have you ever thought of sending thousands of messages per day. Well don’t be silly to type that lot. This can be done very easily by gaining access to operators SMSC (Short Message Service Centre) and then just posting request to send the same. The ESME sends messages to the SMSC that thereby sends it to the destined cellular device through OTA (Over the Air) Network. At this pt you act as ESMEs (External Short Message Entity).

**Responsibilities:**

* Designed and developed Build Forge Build process.
* Managed development streams and integration streams.
* Developed UNIX and Bash scripts for the purpose of manual deployment of the code to the different environments and keep the team updated when the build is completed.
* Supported on call schedule for Production support
* Deployed the applications like formats of WAR, JAR and EAR in Weblogic 8.1.
* Configure and administered of JDBC, JMS, JNDI Web logic Server 8.1.
* Install, configure and administered of Bea Weblogic Server 8.1 in various environments.
* Involved in Configuration for Weblogic Server Console like Connection pools, Data source, Queues and Bridges.
* Involved in weblogic administration activities
* Involved in troubleshooting of WebLogic server, environmental and application issues
* Involved in preparing Build files and scripts
* Configuring the Web server plug-in for Redirecting/Forwarding requests from Web server to the Stand-Alone Application Server.
* Configuring Stand-Alone Application Server for Clustering, Deployment Manager, Virtual Hosts, JDBC drivers.
* Configuring various log files for Size, Rewriting Application Logs, log Output format.
* Configuring the Database JDBC providers, and Data sources for connecting Stand-Alone Application server/Clusters.
* Taking backups and restoring configurations.
* Involved in Build and Deployment activities and providing Release kit for Production releases
* Configure and administered of Weblogic server with Oracle9i database.
* Deployed the applications on multiple Weblogic Server and maintained Load balancing, high availability and Fail over functionality.
* Configure Node manager for administer the Managed servers.
* Configure and administered Connection pools for JDBC connections.

**Environment: IBM Clear case, Build Forge Jenkins, java, struts, ANT, MAVEN, Weblogic, SQL DB2, TFS 2010, Perl Scripts, Shell Scripts, XML, UNIX.**