**Name: Srinivas**

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**Role: DevOps/AWS Engineer**

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**Professional Summary:**

* Over **8+ years** of experience in **AWS/DevOps, Build and Release management** involving extensive work towards code compilation, packaging, building, and debugging, automating, managing, monitoring, tuning and deploying code across multiple/distributed environments.
* Extensive experience in the design and implementation of **Continuous Integration, Continuous Delivery**, **Continuous Deployment**(CI/CD) and **DevOps** processes for **agile** projects.
* Experience in cloud computing solutions like **SaaS, IaaS** and **PaaS**for more than 3+years.
* Extensive hands on experience in Configuration Management policies and practices with regards to **SDLC** along with automation of scripting using **BASH/Shell/PowerShell, Perl, Python** scripting.
* Experience in **security maintenance**, monitoring and logging systems on **AWS**.
* Certified in “**AWS** – **Certified Solutions Architect - Associate**”.
* Experience in Administration and Architecture of **Amazon AWS c**loud platform**.**
* Experience in **Change/Incident** management and **ITSM** using **BMC Remedy**.
* Experienced in **Supporting** and **Testing** web & window based applications in all environments.
* Excellent experience in “**code as infrastructure”** using **AWS Cloud Formation and Terraform**.
* Experience in using **AWS** including **EC2**, Auto-Scaling in launching EC2**, Elastic IP’s, ELB, Kinesis, Elastic Beanstalk, S3, Cloud Front, Cloud Formation, AMI, RDS, RedShift, MongoDB, VPC, Route53, SNS, SQS**and,also,**migration** from on premises network to AWS cloud.
* Experienced in Administration of Production, Development and Test environment’s carrying **Windows, Red Hat Linux, Centos** servers.
* Extensive experience with configuration management tool**Chef**along with **AWS OpsWorks,Elastic Beanstalk and**thenlaunch, scale **Docker** containers in production using **Apache Mesos** and **Marathon**.
* Experienced in installing, setting up &troubleshooting the **Chef Master**, agents, create and automate platform environment setup using **Knife** and **Cookbooks**.
* Experience in working on source code management tools like **Subversion (SVN), GIT, GITHUB, GITLAB**, **TFS Version Control**.
* Experience in Continuous Integration process such as perform software build, run shell scripts, deploy artifacts(war & ear) from source code using **uDeploy**, archive the build results, **CRON jobs**, monitors execution steps using **Jenkins, Apache Maven**with **Sonar** plugins**, Ansible and ANT**.
* Experience in using **Nexus** and **Artifactory** Repository Managers for **Maven/Sonar** builds.
* Extensively worked on **Hudson, Jenkins, TeamCity** for CI and for end to end automation for all build and deployments
* Good experience in **Microsoft TFS**, **Windows Server** and the **Microsoft IIS** for MS Build and Release management process.
* Experience in implementing and configuring of Volume Management by using and **Logical Volume Manager (LVM)** in **LINUX**.
* Expertise in Installing and Managing **HTTP, FTP, SSH, DNS** etc.
* Expert in deploying the code through web application servers like **WebSphere**, **Apache Tomcat**.
* Good experience in reviewing system logs files for errors, setting up **CRON** jobs for backups and monitoring process.
* Extensive experience in Vulnerability Management Automation, Distributed Private Cloud System.
* Excellent experience in DB designing and maintaining the WebUI, **Microsoft SQL Server**andgenerating, timely,**auditing** and data reports based on the business requirements.
* Experience in **YUM for RHEL7.0**during the **Linux** upgrade.
* Hands-on experience in building and maintaining **Active Directory and LDAP environments**.
* Expertise in trouble shooting and tuning**.NET** Web Applications on **MSIIS 7.5** the problems generated while building, deploying and, also, in production support.
* Established a mix of **Test Driven Development (TDD)** and **BDD**based planning for the client that resulted in faster and better customer responsiveness.
* Provided **24/7 technical supports** to Production and development environments.
* Excellent written and verbal communication skills, analytical, problem solving skills, strict attention to detail and ability to work independently, and within a team environment.

**Technical Skills:**

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| **Operating System (OS)** | Windows (XP, 2003, 7, 8, 10, Server 2008/2012), LINUX (Cent OS, RHEL) |
| **Protocols** | SMTP, DHCP, NFS, NIS,Layer 2(ARP, VLAN, VXLAN), Layer 3(IPV4, IPV6), Layer 4(TCP) |
| **Virtualization** | VMware ESX 3.x, VMware Server 1.4, Virtual Center 2.5, MS Virtual Server 2005 R2, MS Terminal Server 2003, MS SoftGrid, VisualVM, Web UI, CDN. |
| **Languages** | Java/J2EE, Spring boot, Angular JS, ASP.NET, C, C#, Hibernate |
| **Scripting Language** | Python, C#, BASH, Shell scripting, Node.JS, PowerShell, Ruby, SQL, JSON |
| **Databases** | SQL Server,Oracle, PostgreSQL, DB2, Mongo DB, RedShift, Cassandra |
| **Web Servers** | WebSphere Application Server, Apache HTTP,WebLogic, MS IIS, TFS, Tomcat |
| **Web Technologies** | JDBC, HTML, CSS, Java Script, JQuery, XML, Angular JS, SOAP, REST API |
| **Version Control** | Tortoise SVN, GIT, CVS, Perforce,GITHUB, GITLAB |
| **Build Tools** | Ant, Maven/Sonar, Nant |
| **Repositories** | Nexus, Artifactory, Jfrog |
| **Performance Testing** | Load Runner, Gatling, WCF |
| **Monitoring Tools** | Amazon Cloud Watch, Nagios, Splunk, Graphite |
| **CI/CD Tools** | GitHub, Hudson, Jenkins, Build Forge,Puppet, Chef, Ansible, Salt Stack, TeamCity,EMR, Cloud Formation, Terraform,REDUX, Confluence, SDN, Vagrant, Docker, Open Shift,Kubernetes, Mesos, Marathon,Atlassian tool stack: Bamboo, Confluence, Bitbucket etc.,Elastic Beanstalk, AWS Lambda, AWS CLI-API, uDeploy. |
| **Bug Tracking Tools** | JIRA, BMC Remedy, Clear Quest, Service Now |
| **Cloud Services** | AWS, Microsoft Azure |

**Professional Experience:**

**Capital One, McLean, Virginia Sep 2015 – Current**

**Role: DevOps/AWS Engineer**

**Responsibilities:**

* Responsible for leading **DevOps** engineering, **AWS** architecture, continuous integration and deployments.
* The collaboration and communication of both software developers and other IT professionals, while **automating** the process of **software delivery** and infrastructure changes is achieved through **DevOps tool chain**.
* Provided guidance for over **CICD – DevOps** Journey.
* Manage and configure AWS services as per the business needs (**ELB, SNS, EC2, Route53, S3, RDS, CloudWatch, IAM, SNS, VPC, SES, EMR, RedShift**)
* Thorough understanding of **infrastructure** in areas of firewalls, security, load balancers, **hypervisors**, monitoring, network topologies, storage, **AWS IAM, NACLs, Security Groups, Bastion Host, NAT instances**, **internal Firewalls** provisioning, setting rules to control the inbound and outgoing traffic.
* Costing, designing,building and managing the infrastructure environments needed for the projects in the **AWS** hosting platform.
* **Cloud Custodian policies** are written in simple **YAML configuration files** that specify given resource types and are constructed from a vocabulary of filters and actions.
* Automated the cloud deployments using **Chef and AWS Cloud Formation Templates**.
* Setup up and maintenance of automated environment using **Chef Recipes & Cookbooks** within AWS environment.
* Implemented rapid-provisioning and life-cycle management for Linux using **Amazon EC2, Chef, and custom Ruby** scripts.
* Using **PowerShell**, automated and solved tedious administrative tasks.
* Wrote **bash** scripts to **bootstrap** the **Amazon Auto-scaling** process in the production environment.
* Using **Amazon Elastic Beanstalk**, uploadedthe **Node.JS**code, **Spring-boot**applications and it then automatically handles the deployment, from capacity provisioning, load balancing and**auto-scaling**along with **SQS, SNS, SWF** services to application health monitoring.
* **AWS Lambda** to run the scripts in response to events, such as changes to data in the **S3 buckets** and **MS SQL Server** tables.
* AWS **EC2**- Database Backup transfer to **S3 buckets**with only 2.5 hours’ retention.
* Wrote programs that use the **Amazon S3 - REST API**which handles the redirects either at the application layer or the HTTP layer.
* Developed **BASH and Python scripts** using **lambda functions** for automation of the build and release process, developed Custom Scripts to monitor repositories, Server storage.
* Used **Cloud Watch along with SNS, SQS** for monitoring instances in the very large distributed systems environment while giving the priority for **Business Continuity Plans** during crisis.
* Installing/Configuring/Administering/Monitoring of **Subversion/GitHub Enterprise, WAS (WebSphere Application Server)** and **Jenkins on RHEL Linux 7.0** environment.
* Worked with Version control tools **Subversion/Git Branching**, **Merge Strategies**, migrated projects from **Subversion** repositories to **GitHub Enterprise** repositories through **Team Foundation server (TFS)**.
* Worked with **build pipeline** set up for **Continuous Integration/Continuous Deployment** using **Jenkins/Jenkins Enterprise editions**and**uDeploy** toorchestrachanges across servers and components.
* Developed build and deployment scripts using **ANT and MAVEN/Sonar** as build tools in **Jenkins** to move from one environment to other environments.
* Excellent hands on experience in creating, updating and closing tickets by managing the **Problem, Incident and Change requests** effectively.
* Working closely with offshore colleagues and providing support and advice on best practices for **SCM** and **build automation**.
* Worked with **JIRA** for creating Projects, assigning permissions to **users and groups** for the projects & created the mail handlers and notification Schemes for **JIRA**.
* Ability to lead and provide technical assistance during major **JIRA** and **Confluence** upgrades
* Debugged Build failures and worked with developers and **QA** people to resolve the related issues.
* Creation of **JenkinsInfrastructure run books**.
* Interacted and attended meetings with **Infrastructure/Unix/Middleware Teams** to set up **Dev/Test/Pre-prod & Prod** environments.
* Migrated obsolete hardware platforms to VMs via **VMware Converter**.
* Collect the new technologies and tools, and introduces them to the company, in which way it helped the company build up an **agile** development environment. It improved the product quantity and the work efficiency.
* Work with **Development Team Leads and Testing** team to establish a build schedule, execute the builds and troubleshoot build failures, if any. Also, worked closely with them in Merging after each release.

Environment: WebSphere Application Server,Elastic Beanstalk,Cloud Custodian, Confluence, JIRA, SVN, GIT, Apache ANT, MAVEN/Sonar, Jenkins, Chef, **uDeploy,**BASH, Python, RDS, Ruby, .NET, JAVA, UNIX, RHEL Linux 7.0 OS, WindowsServer, PowerShell,Team FoundationServer (TFS)**,**Build forge, MY SQL, Cloud Watch, PostgreSQL, Amazon EMR, REST APIs, AWS – EC2, Cloud Watch, SNS, SQS, S3, VPC and Network & Security services

**Yahoo,San Francisco, CA Jan 2014 – Sep2015**

**Role: DevOps Engineer**

**Responsibilities:**

* Designing, implementing and supporting fully automated **Continuous Integration and Continuous Delivery** processes using **Puppet** and the **Terraform**.
* Manage deployment automation by creating **Puppet** Roles and Profiles.
* Working and supporting multiple development teams delivering a wide range of software applications.
* Initiated and drove the transition from manual configuration to **Ansible** managed configuration for automated, repeatable server deployments.
* Installing/Configuring/Administering/Monitoring of **Apache Subversion, RTC and TeamCity**Continuous Integration server on **Windows Server/RHEL LinuxAWS** Cloud Environment.
* Designing and creating **SCM** Infrastructure from scratch – **Subversion and Jenkins** integrated with **Active Directory/LDAP**.
* **Kubernetes** is used for managing the **Docker** containerized applications using **Red Hat Open Shift**across the production servers/hosts, providing the configurations for deployment, maintenance and to actively manage the workloads.
* Automated **AWS (VPC, EC2, S3, ELB, IAM)** deployments using **Ansible and CodeDeploy**.
* Defined, Implemented **SCM s**tandards based on **Scrum** methodologies, in line with organization.
* Set up build environment for **Java** job applications’ build and deployment pipeline setup.
* Coordinated **Java based builds and release cycles** on the request of business with development teams, testing teams.
* Working with **Team Foundation Server** for source code management, reporting, requirements management, automated builds, testing and release management and integrated with Dev environments IDEs.
* Involved in setting up **BMC Remedy** as defect tracking system and configured various workflows, customizations and plug-ins for the **BMC Remedy**bug/issue tracker.
* Resolved update, merge and password authentication issues in **BMC Remedy.**
* Installed **Subversion/Git** and performed all necessary day-to-day Subversion/Git support for all projects.
* **Properties and pom.xml** files and provided technical support to development team for compilation problems.
* Configured **Sonar** server and many other configurations in **settings.xml** file of **Maven**.
* Wrote automation scripts like**Bash, JSON, Python**and **MAVEN** for build automation.
* Earned a reputation for designing **cloud deployment strategies** that mitigate risk while meeting infrastructure, employee, customer and budgetary needs.
* Workedon **Amazon Web Services** cloud infrastructure,**Continuous Integration and Continuous Deployment** (**CICD**), **PostgreSQL, Microsoft SQL Server**.
* Maintain internal data center and **AWS servers** for 100% uptime.
* Used configuration management tools **Puppet, Docker** for configuration management automation.
* Container Management and Orchestration Software like **Dockers, Kubernetes, Mesos, Terraform and REDUX**.
* Deploying and debugging of deployments to **Web sphere, Tomcat**.
* Mentoring of Engineers on **Build/Release Process** with a detailed Release plan at the start of each meet.
* **Monitoring** daily backup of all the build machines and virtual machines used.
* Planned and performed the upgrades on **Windows OS** and hardware maintenance like increasing memory, disk, replacing failed hardware.
* Provided **24/7 technical support**using **Splunk**in the PROD environment and maintained the **reliability** of the System.

Environment: SVN, GIT, MAVEN, Sonar, XML, JAVA, REDUX, TeamCity,Puppet, Docker, Open Shift, Kubernetes, Mesos, Marathon,Ansible, CodeDeploy, Splunk, Terraform,Web Sphere,Apache Tomcat, Bash,JSON,JQuery, JAVA, Python, TFS, UNIX/Linux, Windows Server, PostgreSQL, MSSQL Server.

**Apple Inc., Cupertino, CANov 2012 – Dec 2013**

**Role: Software Configuration Engineer - Intermediate**

**Responsibilities:**

* Created continuous integration system using **ANT, SVN, Bamboo, Chef**full automation.
* Proposed branching strategies for using Version Control Systems like **GitHub, GIT and Subversion**.
* Used knowledge of **ASP.NET, C#** to Implement and maintained branching and build/release strategies for **.NET** applications.
* Working knowledge/concepts of large scale, multi-tier **.NET web application** including **HTTP TrafficLoad Balancing**, **Databases**, **SOAP**, **SSL**, security and regulatory compliance data concerns.
* A**.NET Web Server** script which installs&deploysthe **MicrosoftIIS7.5**and the **.NET framework** on the **VM** was developed.
* **Build forge** is used to call **ANT script** for creating the automated scripts.
* Performed **Code Build** for deployment.
* Involved in Upgrade of **Bamboo**&**Artifactory** Server.
* Performed Deployment on **DEV, QA, UAT and PROD** environments.
* Identifying the testing Environment and confirmed the Current Code Level and Planned Release schedules.
* Set up new configure management system based upon **Perforce**.
* Create issue tracking system with team track and integrate into **Perforce**.
* Maintained **Defect Fix Deployments** and documented the deployed files in the appropriate Environment Migration log.
* Designed and implemented **virtualized development environment** to prepare for domain rename.
* Co-ordinate builds and release cycles on the request of business with development teams, testing teams and project management teams.
* Worked on **Java** deployments, **Spring** and the **Hibernate**.
* Automated deployment of builds workflows to **DEV, QA and PROD** environments using **Build Forge**.
* Implemented standards for **"Labels", “Branches", "Tags",** "Executables" and other Naming Conventions.
* Merged the branches after the **Code Freeze**.
* Used **build forge** to track the changes in source control by setting up **continuous integration**.
* Upgraded the System Test environment from the Current Code Level to the required Code Level.
* Created the Deployment notes along with the Local **SCM** team and released the Deployment instructions to Application Support.
* **SCM** directory structure (Identify areas of workflow / approval definitions) was defined.
* Proactive monitoring of systems and effective **troubleshooting and tuning**.
* Involved in migrationof the version control systems like **SVN/Git** and continuous integration tools like **Jenkins.**
* Coordinated with QC for **System Test approvals** to deploy the Code.
* Created Custom SCM Report, **SCM** Deliverable status and SCM verification Audit Work Book.
* Worked on configuring local and remote repositories for deploying jar files in **pom.xml.**

Environment: SVN, GIT, Artifactory,Apache ANT, XML, SOAPservices, Bamboo, Microsoft IIS, VM, ASP.NET, TFS, Web sphere,Perforce,Apache Tomcat, Shell Script, C#, Linux, Windows, WCF, Build forge, MY SQL

**SN Infotech, Chennai, IndiaOct 2010 – Sep 2012**

**Role: Software Development - 1**

**Responsibilities:**

* Managing SCM tools **SVN and GIT** including installation, configuration**& maintenance.**
* Designed and implemented Continuous Integration process using tools like **Hudson**with approval from development and other affected teams.
* Defined processes to **build and deliver** software baselines for internal as well as external customers.
* Converted old builds using MAKE to **ANT** and **XML** for doing Java build.
* Experience in installing and managing **packages**.
* Worked on **Java/J2EE** deployments in web sphere, and then connecting the applications and the date bases using **Spring** and the **Hibernate**.
* Creation of MS **SQL Server** databases and generated reports from the database through **SQL** queries.
* Used **Putty** to connect to **LINUX** from **Windows**.
* Configure and maintain **Linux Proxy server**, which clean accessing limits.
* Installation of **Red Hat Linux Enterprise** Server.
* Monitoring day-to-day administration and maintenance operations of the company network and systems working on **UNIX/Linux Systems**.
* Installation of Web components like **MSIIS 7.0**, **Apache Tomcat Servers**, FAST Application Stack on the **Windows 2008/ LINUX**environments.
* Identified the gaps and issues in **.NET** web applications, recommended solutions and participated in action plans.
* Installed and configured the **RPM** packages using the **YUM** Software manager.
* Test and Production support of **Apache, My SQL, Tomcat** including installation, configuration, management and troubleshooting.
* Involved in developing custom scripts using Shell (**bash, ksh**) to automate jobs.
* Networking communication skills and protocols such as **TCP/IP, Telnet, FTP, NDM, SSH**.
* Monitoring CPU, memory, physical disk, Hardware and Software **RAID**, multipath, file systems, network using the tools **NAGIOS 4.0** monitoring.
* Managed Users and Groups in Subversion (SVN) and troubleshoot client spec issues and user issues.
* Perform user **account management**, data backups, and users’ logon support.
* **Log management** like monitoring and cleaning the old log files.
* Involved in**System audit** report like no. of logins, success & failures, running **CRON** jobs.
* Set up development environment for developers.
* Created and maintained **Subversion** repositories, branches and tags.
* Acted as an Integrator for performing merge, rebase and baseline operations.
* Automated **Web Sphere**build and deployment process for **Windows and Linux**platforms.
* Improving security by hardening servers like **Apache HTTPD** and **Tomcat.**
* Developed and customized **scripts** that resulted in improved systems monitoring.
* **Install and Configure the Linux Server** as per the requirement.
* Developed and supported the web applications for the internal project in **ASP.NET** technology using **Visual Studio IDE**.
* Telephonic supporting remote users.
* Troubleshoot problems related to **Authentication, Authorization**, Logins, End-User, Web Server and Web sphere Server.
* Documented the entire **build and release engineering process** and provided on call support.
* Specialized in **Remote administration**.

Environment: SVN, GIT, Apache ANT, Hudson, XML, JAVA, Spring, Hibernate,JDBC, SQL Server, .NET, SQL Server, UNIX/LINUX (RHEL), Windows, Microsoft IIS 7.0, Putty, BashScripts, Apache HTTPD.

**Asset InfoTech Ltd, Dehradun, India Sep 2008 –Oct 2010**

**Role: Associate Software Developer**

**Responsibilities:**

* Developed and tuned the jobs in Java, JDBC, String Manipulation, Spring and the Hibernate.
* Worked with the team of software developers and provided technical feedback
* Optimized and enhanced systems and played key role in designing business applications
* Code development and peer testing in the Linux environment.
* Supporting various applications and solving user’s problems.
* Helping team members is resolving support cases and bug fixing.
* Create reports as required by management.
* Resolving priority issues.
* Monthly and Quarterly Release support
* Involved in Analysis, Design, coding, debugging and testing of the system.
* Involving in Client Interaction, maintaining smooth co-ordination between Development team, Solution designing Team & Test team to follow up the change Requests done during the designing and development.
* Attended various sessions with solution designers and the on-site team to understand and analyze the requirement and to figure out the impact of introduced functionality.
* Regular meeting with Business & IT for new enhancements, Bug Fixes & ongoing application issues.

Environment: Java, Spring, JDBC, Hibernate, PL/SQL, Apache Tomcat, BMC Remedy, Linux.

**Education:**

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERISTY May 2008

* Bachelor of Technology in Computer Science Engineering