

Sushmitha P

Sr. DevOps Engineer

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Professional summary

- **Over 6+ years** of experience with, strong expertise in the fields of **DevOps** using various automation tools to oversee the end-to-end SDLC process.
- Experienced on working in **OpenShift** environment.
- Experienced with various Services of **AWS: EC2, ELB, S3, EMR, Glue SNS, SQS, RDS, VPC, Elastic IP, Route 53, Glacier, IAM, Cloud Formation and Cloud Watch.**
- Hands-On experience in Implement, **Build and Deployment of CI/CD pipelines**, managing projects often includes tracking multiple deployments across multiple pipeline stages (Dev, Test/QA staging and production).
- Strong programming skills in designing and implementation of multi-tier applications using web-based technologies like **Spring MVC and Spring Boot.**
- Hands-On experience with **Spring AOP, Spring JDBC and Spring Core** such as dependency injection and XML based configurations.
- Experienced in performing code deployment and configuration in **OpenShift.**
- Experienced in using **Java/ J2EE** related technologies such as Hibernate, **Servlets, JSP, JDBC, Java Beans, Eclipse IDE, XML.**
- Experienced in using **Linux and Unix Shell Scripting.**
- Experienced with various services of **Microsoft Azure and Google Cloud.**
- Experienced in coordinating all **vendor management tasks** inclusive of working with **external vendors and internal employees.**
- Experiences in executive management status reporting across all **relevant Vendor Management activities.**
- Experienced with **Jenkins as Continuous Integration / Continuous Deployment** Tool and strong experience with **Ant and Maven** as Build Frameworks.
- Experienced with **Puppet, Ansible, Chef and saltstack** as System Configuration Tool.
- Deployed and configured **Chef Server** including bootstrapping of **chef-client** nodes for provisioning.
- Created **roles, recipes, cookbooks** and **data bags** for server configuration.
- Experienced in Creating **playbooks and roles for Ansible** and deploying applications to **AWS cloud** using **Ansible.**
- Experienced with deployment automation of all the microservices to pull image from the private docker registry and deploy to docker swarm cluster using **Ansible.**
- Administration experience in **GitHub** and **SVN** configuration tools.
- Experienced writing **python, yaml, ruby and shell scripts** to automate the deployment and scheduling.
- Experienced with **Nagios, CloudWatch** as IT Infrastructure Monitoring tool.
- Experienced with Web/Enterprise Application Deployment Technology specifically including **Apache Tomcat, WebLogic, Web Sphere 5.1/6.0, Java, MySQL and Postgress.**
- Experience in installing **Docker** using Docker tool box. Environment provisioning solutions using Docker. Source code management is performed using **GIT** from master repository and knowledge on **Container management** using Docker in creating images.
- Able to written **manifests** and Ruby scripts to customize the **Puppet** as per requirement configuration.
- Experienced in database technology such **SQL, MySQL** including NoSQL databases like **MongoDB.**
- Experienced in Configuring Servers to provide Networking Services, including **HTTP/HTTPS, FTP, SSH, DNS and LDAP.**
- Experienced in Administration of Production, Development and Test environments carrying different operating system platforms like **Windows, Ubuntu, Red Hat Linux, SUSE Linux, Centos.**
- Experience in Installing, upgrading and configuring **Red Hat Linux 4.x, 5.x, and 6.x** using **Kickstart Servers.**
- Experienced with Configuration Management automation tool **Ansible** and has worked on integrating **Ansible YAML Scripts.**

- Experienced in the atmosphere of cross-functional team within the organization's **Agile Project Life-cycle**.
- Generated reports using **SonarQube** which covers different areas of Code quality like potential bugs, code coverage, coding rules.
- Good understanding of the principles and best practices of Software Configuration Management (SCM) in **Agile, scrum, and Waterfall methodologies**.
- Team player with good Communication and Interpersonal Skills.
- Expertised on Java Technologies and servers like **Servlets, Jsp, xml, weblogic**, Apache, Jetty, **Ruby Rails, Tomcat and Jboss** servers.
- Participated, documented, managed **ITIL** controls and supported **Linux environment**.
- Experience supporting 24x7 production computing environments. Experience providing on-call and weekend support.

Technical Skills

Operating Systems	Windows98/XP/2000/2003/2008, UNIX, LINUX (Red Hat 5/6.5, CentOS 6/7, Ubuntu)
Source Control Tools	SUBVERSION, GIT AND CVS
Configuration Management Tools	PUPPET, CHEF, ANSIBLE, SALTSTACK
Continuous and Build Tools	MAVEN, ANT, Gradle, JENKINS and Teamcity
Repositories	NEXUS, ARTIFACTORY
Languages	JAVA, RUBY, SHELLSCRIPTING, PERLSRIPTING, PYTHON, SQL
Tracking and Monitor Tools	JIRA, NAGIOS, CLOUD WATCH
Web Servers	WEB LOGIC, WEBSHERE, APACHETOMCAT, JBOSS, DOCKER
Cloud	AWS EC2, VPC, ELB, IAM, SNS, RDS, EDS, CLOUDWATCH, CLOUDFOUNDATION, AWSCONFIG, S3, VMWARE
Databases	ORACLE, MYSQL, MangoDB and Maria DB

Professional experience

Client: Wholefoods, Austin, TX.

Febraury2019– Present

Title: Sr. DevOps Engineer

Responsibilities

- Analyzing Analyzing the **E2E requirements** and provide the **low level design**.
- Responsible to provide **task level inputs** in daily stand up and **highlight if there are any blockers** for progressing with the planned development activities.
- Implemented the **Java code for various modules** in various development **CE stories**.
- Participated in **weekly release meetings** with technology stakeholders to identify and **mitigate potential** risks associated with the **releases**.
- Working knowledge on Spring Core such as Dependency Injection, Annotations and XML based Configurations and experience in working on Spring JDBC, Spring Hibernate ORM and JPA.

- Extensive exposure to Configuration Management policies and practices with regards to **SDLC**; along with automation of scripting using **BASH, Python scripting**.
- Expert in performance monitoring tools like **Nagios, AWS cloudwatch**.
- Installed and configured **Anthill Pro** for Automating Deployments and providing a complete automation solution.
- Configured **AWS EC2** Instances using **AMIs** and launched instances with requirements of specific applications.
- End to end deployment ownership for projects on **Amazon AWS**. This includes **Python scripting** for **automation, scalability**, build promotions for staging to production etc.
- Created continuous integration system using **Ant, Jenkins, Puppet** full automation, Continuous Integration, faster and flawless deployments.
- Responsible for **Continuous Integration (CI) and Continuous Delivery (CD)** process implementation using **Jenkins** along with **Shell scripts** to automate routine jobs.
- Presented on View Object pattern in Web Application Automation, **Ruby, Power shell, Selenium**, Team City.
- Worked on Amazon Web services for **deploying EC2 instances** containing various platforms such as **RHEL, CentOS, Ubuntu in Linux** and windows 2008 and 2012.
- Construct Puppet Modules/Functions to Support **Solaris IPMP** (IP Multipathing) on Solaris.
- **Review/Merge/Remove** Git Pull Requests to **bitbucket**. Run **Ansible Scripts** to provision **Dev servers**.
- Implemented quality release of Applications and solutions for **Delivery Manager**.
- Hands on Exposure on **Gitlab Server** and **SubVersion**.
- Development of **infrastructure automation in AWS** (EC2, DynamoDb, Lambda, EBS, RDS, Dynamo, ELB, EIP etc) with AWS Cloud Formation.
- Work in migrating code from **SVN** to **Git repo** (stash/bitbucket), clean the git repo (purging files).
- Worked on build tasks using **Maven, Ant, Gradle and GNU Make files** and worked with development team to **migrate Ant scripts to Maven**.
- Imported and managed multiple corporate applications in **Subversion (SVN)**.
- Worked on **Maven** to create artifacts from source code and deploy them in **Nexus** central repository for internal deployments.
- Implemented and designed **AWS virtual servers** by **Ansible roles** to ensure deployment of web applications.
- Integrated Jenkins with various DevOps tools such as **Nexus, Sonarqube, Puppet etc**.
- Worked with **Atlassian tools like Bamboo, Confluence, Crucible& Jira**.
- Skilled in **Test Driven Development** and **Agile Development (TDD)**
- End-user training regarding branching strategies for all Subversion (**SVN**) users to effectively use the tool.
- Used **Jenkins for enterprise scale infrastructure** configuration and application deployments.
- Using **ANT, Puppet/ Chef Scripts with Ivy to build the application and deploy**.
- Created **Continuous Build Process** using **Jenkins** as **Continuous integration tool**.
- Designed and implemented scalable, secure cloud architecture based on **Amazon Web Services**. Leveraged AWS cloud services such as **EC2; auto-scaling; and VPC (Virtual Private Cloud) to build secure, highly scalable** and flexible systems that handled expected and unexpected load bursts, and are able to quickly evolve during development iterations. Implemented multiple high-performance **MongoDB** replica sets on **EC2 with robust reliability**.
- Worked on infrastructure with **Docker containerization**.
- Worked on **high-volume crash collecting** and reporting system, built with **Python**.
- Performed dispatcher role to distribute tasks assigned to the onshore team.
- Collaborated with development support teams to setup a **continuous delivery environment** with the use of **Docker**.

- Developed **unit and functional tests in Python and Java**.
- Work with **Docker** for convenient environment setup the **test environments**.
- Used configuration management tools **Puppet and Ansible**.
- Proposed branching strategy suitable for current application in **Subversion**.
- Managed the Release Communication and Co-ordination Process.

Environment: Puppet, AWS, JAVA, Udeploy, Red Hat Enterprise Linux, SVN, GIT, Jenkins, Apache Tomcat, Shell, Nexus, Jira, Python, Ruby, Docker and MangoDB.

Client: Bestbuy, Minneapolis, MN
Title: Devops Engineer

September 2018 to January 2019

Responsibilities

- Worked **Configured AWS IAM and Security Group** in Public and Private Subnets in **Virtual Private Cloud**.
- Created **AWS Route53** to **route traffic** between different regions.
- Build out server automation with **Continuous Integration-Continuous Deployment** tools like **Jenkins/Maven** for deployment and build management system.
- Administered **Puppet Enterprise** to provision multi-platform virtual machine configurations across infrastructure. Infrastructure consists on multiple-platform environment servers dedicated for building, deploying as well as for development, test and production systems.
- Participating in **configuring and monitoring distributed and multiple platform servers using Puppet**. Used Puppet server and workstation to manage and configure agents.
- Experience in managing **virtual instances and disks using Puppet**.
- Wrote, maintained, reviewed and documented **modules, manifests, Hiera configurations and Git repositories** for Puppet Enterprise on RHEL and Windows platforms.
- Created a custom Puppet module skeleton to use same structure across all **Puppet modules**.
- Implemented Puppet hiera to separate data from Puppet code.
- Designed continuous delivery tools/ configuration management tools like Puppet.
- Installed, configured and managed **Puppet Master and Agent**.
- Develop and enhance the automated configuration management system.
- Installed and configured configuration tool such as **Chef Server / workstation and nodes via CLI tools to AWS nodes**.
- Automated the cloud deployments using **Puppet, python** (boto& fabric) and **AWS Cloud Formation** Templates.
- Designed a Configuration Management solution using **Puppet**.
- Leveraged **AWS cloud services** such as **EC2, auto-scaling and VPC** to build secure, highly scalable and flexible systems that handled **expected and unexpected load bursts**.
- Designed **AWS Cloud Formation templates** to create custom sized **VPC, subnets, NAT** to ensure successful deployment of **Web applications and database templates**.
- Implemented automated **local user provisioning instances** created in AWS cloud.
- Designed and implemented **scalable, secure cloud architecture** based on Amazon Web Services.
- Utilized Configuration Management tool **Chef & created Chef Cookbooks using recipes** to automate system operations.
- Managed version control tool **GIT** to version code changes to help developers/programmers branch/merge/revert code.
- Handled admin tasks in **Linux OS** such as **server restart**, application installation and setting up monitor dashboards.
- Worked on **User Group creation, monitoring and maintaining log** for system status/health using **Linux commands and Nagios system monitor**.
- Worked on installation of **Docker using toolbox & creation of custom Docker container images, tagging and pushing the images**.
- Worked on creating the **Docker containers and Docker consoles** for managing the application life cycle.

- Perform Deployment Release to various **QA & UAT environments**, ensured processes are deployed successfully to production.

Environment: Puppet, AWS, RHEL Linux, MySQL, Chef, Nagios, Docker, Scripts, Ubuntu, GIT, JIRA.

Client: Amazon.com - Hyderabad, Telangana

Jan 2017 to July 2018

Title:Build and Release Engineer

Responsibilities

- Installed Involved in **Create/Enhance/automate** build and deployment process as DevOps engineer for each **release and backup, restore and upgrade.**
- Written, maintained, reviewed and documented **modules, manifests, Hiera configurations and Git repositories** for Puppet Enterprise on **RHEL and SLES platforms.**
- Managed infrastructure for **configuration management and version control.**
- Experience configuring and managing **Puppet master server, updating and creating modules and pushing them to puppet clients.**
- Trained and supported Linux engineers in the use of the company's **Puppet infrastructure.**
- **Chef Recipes** to automate our **build/deployment process** and do an overall process improvement to any manual processes.
- Installed and configured **Jenkins** for Automating Deployments and providing a complete automation solution.
- Wrote **Chef cookbooks** to make the **implementations reusable.**
- Created continuous integration system using **Ant, Team City, full automation, Continuous Integration, faster and flawless deployments.**
- Made proposals for architecture definition of external application integration on top of Stack. **Design, Implementation, Debugging and Bug Fixing.** Documentation of release documents.
- Interface design development and maintenance. Sanity, Functional testing & Documentation of **NXP system** solution reference design updates.
- Used **Build Forge** for enterprise scale infrastructure configuration and application deployments.
- Integrated **Subversion** into **Jenkins** to automate the code check-out process.
- Performed setup of **clustered environment setups** with **Web Sphere Application Server.**
- Wrote scripts to perform deploys to **Tomcat Web server** and **Web Sphere App Servers.**
- Proposed and implemented **branching strategy** suitable for **agile development in Subversion.**
- Provided end-user training for all **Subversion (SVN)** users to effectively use the tool.
- Owned build farm and produced effective multiple branch builds to support parallel development.
- Managed the entire **Release Communication and Co-ordination Process.**
- Maintained the **Shell and Python scripts** for the automation purposes.
- Involved in **maintaining and editing Python scripts** for application deployment automation.
- Involved in editing the existing **ANT/MAVEN** files in case of errors or changes in the project requirements.

Environment: Sun Solaris, UNIX, windows, CVS, Perforce, MongoDB, Java, Eclipse, Ant, SVN, Jenkins, Puppet, Chef, Maven, Tomcat Apache Application Server.

Client: Infosys Ltd-Hyderabad, India

May 2014 to Dec 2016

Title: Build and Release Engineer

Responsibilities

- Used Involved in developing the **Java Servlets classes and JSP's.**
- Setup and configuration of **Tomcat**, created multiple instances and deployment of war files.
- Troubleshooting the applications.
- Setup and configured **Teamcity**, installed **plug-in, configured security, created Jobs for project,**

Releasebuilds.

- Setup and configuration of **SVN** created users, groups, created **repositories, branches, tags**, involved in merging activities.
- Implementation/setup continuous project build and deployment delivery process using **Subversion, Jenkins and Maven**.
- Involved in editing the existing **ANT/MAVEN** 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**.
- Installed/Configured/Managed **Teamcity CI** Automation.
- Responsible for the **Plugin Management, User Management, Build/Deploy Pipeline** Setup and End-End JobSetup of all the projects.
- Implemented **Scrum and Test Driven** Development Methodologies.
- Created Team Project **Collections, branches, labels, Work Items** in SVN and involved in merging activities.
- Coordinate **Releases from Dev to Production**. Communicating with Developers, Testers, Managers, Unix, Network teams and DBA teams for successful Release.

Environment: Maven, Java, SVN, ANT, Cruise Control, Tomcat, Eclipse, Linux, Windows.