**Aditya Bhagat**

**DevOps Engineer**

**Summary:**

* Designed and Implemented CI & CD Pipelines achieving the end to end automation from code checking toartifacts deployment.
* Supported server/VM provisioning activities, middleware installation and deployment activities via Ansible.
* Written Ansible playbooks Provision several pre-prod environments.
* DB installations, Web Logic domain creations and several proprietary middleware installations.
* Written Ansible playbooks to automate our build/deployment process and do an overall process improvement toany manual processes.
* Designed, Installed and Implemented / Ansible.
* Built multiple playbooks in Ansible. Implemented environments, roles, data bags for better environmentmanagement.
* Good Knowledge in automation by using Ansible.
* Performed AWS EC2 instance mirroring, WebLogic domain creations and several proprietary middlewareInstallations.
* Worked in agile projects delivering end to end continuous integration/continuous delivery pipeline by

Integration of tools like Jenkins, Ansible and AWS for VM provisioning.

* Evaluating performance of EC2 instances their CPU, memory usage and setting up EC2 Security Groupsand VPC.
* Configured and Managed Jenkins in various Environments, linux and Windows.
* Administered Version Control systems GIT, to create daily backups and checkpoint files.
* Created various branches in GIT, merged from development branch to release branch and created tags for releases.
* Experience creating, managing and performing container based deployments using Docker images

containing Middleware and Applications together.

***Technical Skills:***

|  |  |
| --- | --- |
| **Operating Systems** | CentOS,  Windows, Virtualization(VMware ESX 3.x/4.x/5.x, VCenter, Virtual box, Zones/containers) |
| **Servers / Services** | DNS, DHCP |
| **Protocols** | TCP/IP, FTP, HTTP, DNS, |
| **Version Control Tools** | GIT |
| **Languages** | YAML, PYTHON |
| **Databases** | MS Access, Oracle 9i/10g/11g, DB2 |
| **Application Servers** | WEBLOGIC, WEBSPHERE, TOMCAT |
| **DevOps/Build Tools** | ANSIBLE, ANT, HUDSON/JENKINS, MAVEN, code commit,code star |
| **Cloud** | AWS EC2, VPC, AMI, S3, Cloud Trail, Lambda,Serverless server |

**WORK EXPERIENCE:**

**Change Healthcare, Seattle, WA Sept 2017- Till Date**

**Devops/Cloud Engineer**

***Responsibilities*:**

* Responsible for build, design and maintain the platform automation infrastructure using Ansible.
* Developed Ansible Playbooks for automation of manual processes.
* Implemented playbooks on AWS infrastructure for automation of creation of resources.
* Build pipelines in Jenkins for deployment processes.
* Maintain source code repository and local mirrors; perform branching, tagging, and merging.
* Used yaml coding for automation processes.
* Created an automation playbook for lambda execution.
* Created a playbook for infrastructure of lambda servers.
* Worked on AWS to create resources, manage functions , create stacks
* Worked on AWS code build and code pipeline, code commit
* Helped Developers to setup Workstations in Windows, Linux to work with Ansible.
* Supported server/VM provisioning activities, middleware installation and deployment activities via Ansible.
* Integration of Configuration Management Systems like playbooks with AWS for code deployment.
* Created VPC and enabled access between public and private subnets.
* Experience working with Docker.
* Provided end-user training for /GIT users to effectively use the tool.
* Developed build using ANT and MAVEN as build tools and used Jenkins to kick off the builds move fromone environment to other non-prod environments.
* Built and Deployed java/J2EE to a web application server in an Agile continuous integration environmentand also automated the whole process.
* Responsible for the development and maintenance of processes and associated scripts/tools for automatedbuild, testing and deployment of the products to various developments..
* Worked on several build tools like ANT, Maven and Gradle etc.
* Troubleshooting deployment, infrastructure and start up issues on various application server’s product line.
* Automated webserver content deployments via shell scripts.

**Environment*:***UNIX, Java, Maven, Serverless server (Lambda), Jenkins, Jira, SVN, Hudson, Java, Linux.

**State Farm, Bloomington, IL Jan 2014-August 2017**

**DevOps engineer**

***Responsibilities***

* Responsible for build, design and maintain the platform automation infrastructure using Ansible.
* Developed Ansible Playbooks to install and configure Apache, Tomcat, Jenkins, WebLogic,

and deployment automation and Integrated Jenkins.

* Implementing Test Driven Development (TDD).
* Worked on automating processes using Ansible.
* Create release pipelines using GIT, and jenkins operations orchestration tool for automatic

Workflow.

* Maintained high availability clustered and standalone server environments and refined automation components with scripting and configuration management Ansible.
* Helped Developers to setup Workstations in Windows, Linux and Mac to work with Ansible.
* Supported server/VM provisioning activities, middleware installation and deployment activities via Ansible.
* Integration of Configuration Management Systems like Ansible with AWS for code deployment.
* Created VPC and enabled access between public and private subnets.
* Experience working with Docker Hub, Internal Docker Registry and Docker Engine.
* Provided end-user training for all Subversion (SVN)/GIT users to effectively use the tool.
* Developed build using ANT and MAVEN as build tools and used Jenkins to kick off the builds move fromone environment to other non-prod environments.
* Built and Deployed Java/J2EE to a web application server in an Agile continuous integration environmentand also automated the whole process.
* Responsible for the development and maintenance of processes and associated scripts/tools for automatedbuild, testing and deployment of the products to various developments.
* Responsible in deploying the application WARs, EARs in WebLogic application servers and troubleshoot anydeployment issue.
* Configured the JNDIs, Data Sources, and JDBC to connect the application to the backend Oracle Database.
* Experience in migrating source code repositories from between various version control systems like SVNto Git, SVN.
* Worked on several build tools like ANT, Maven and Gradle etc.
* Deployed Applications into PROD & Pre-Prod environments with various Application server technologies likeWebLogic, Jboss& Apache Tomcat.
* Troubleshooting deployment, infrastructure and start up issues on various application server’s product line.
* Automated webserver content deployments via shell scripts.

***Environment:*** Solaris, Unix, Java, Maven, WebSphere Application Server (WAS), Cygwin, Jenkins, Jira, Merant Tracker, PVCS, WMB, SVN, Hudson, Java, Linux.

**American Airlines, Dallas, TX May 2012- Dec 2014**

**Software Release Engineer**

**Responsibilities:**

* Actively participated in the improvement of the software configuration and change management processes to guarantee build accuracy, version control of software artifacts, and re-creation/migration of build environments(from Build Bot to Build brain and from perforce to Git).
* Maintain source code repository and local mirrors; perform branching, tagging, merging and maintenance tasks for windows host and Mac builds.
* Performed Daily/Weekly/fortnightly customer releases through Git pushes to shared, private and publicservers.
* Automated daily manual tasks/tests by running cron jobs. These jobs were actually BASH (shell), TCL, Perl,Python Scripts that report on a user specified frequency about various issues.
* Manage Version Control Systems tools like Git, GitHub to implement revision control systems to track,

document and control changes to the repository source code.

* Developed and maintained UNIX/Perl/Ant scripts for build and release tasks.
* Modified ANT scripts to build the JAR's, Class files, WAR files and EAR files.
* Developed utilities for developers to check the checkouts, elements modified based on project and branch.
* Created Subversion configuration record for builds using derived objects generated during build audit process.
* Performing clean builds according to the schedule published for a given release.
* Installed Cruise Control and performed troubleshooting during installation.
* Worked with Cruise Control for automated build and release.
* Verifying that the methods used to create and recreate software builds are reliable and repeatable.
* Research the project application architecture to support/resolve build, compile, and test issues/problems.
* Releasing code to testing regions or staging areas according to the schedule published.

**Environment:** Ant, Java, Maven, SVN, Jenkins, Linux, Solaris, Web Logic, Perl, Shell scripting, Nexus, Sonar, JIRA, Eclipse.

**XO Communications, Dallas, TX Jan 2011- April 2012**

**Build Engineer**

***Responsibilities*:**

* Modified ANT scripts to build the JAR's, Class files, WAR files and EAR files.
* Created Subversion configuration record for builds using derived objects generated during build auditprocess.
* Responsible for building and releasing packages for testing.
* Performing clean builds according to the schedule published for a given release.
* Responsible for deleting the old deployed code and deploying the newly built code using Web Logic AdminConsole.
* Releasing code to testing regions or staging areas according to the schedule published.
* Updated and automated Release reports for Change Management.
* Supporting Local System Administrators to troubleshoot Configuration Management and Network issues.
* Analyzing and recommending hardware and software needs and installing them.
* Documented release, builds and source control processes and plans.
* Worked closely with development team and SQA team for product releases.
* Coordinated the build and deployment bottlenecks with the development team.
* In charge of reviewing existing manual Software Builds, developing scripts to automate repeated tasks thatare more susceptible to errors and risks using PERL, Shell scripting.
* Strengthening security by implementing and maintaining Network Address Translation in company's network
* Performed Java/J2EE development using Struts.
* Deployed the applications to WebSphere Application Server and static content to apache web servers.

***Environment:*** Linux/UNIX,, Java, Eclipse, Ant, Iplanet WebSphere, Web logic, Hudson, Multisite, Perl, Maven, Make, WSAD, Microsoft .net, SQL Server.