

**Praveen R, Polam**  
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- ❖ 6.10 Years of IT Industry as DevOps, Security, Site Reliability Engineer and System Administrator and very good experience with Configuration Management tools, Build, Deploy, Release Management, and other tools.
- ❖ Experience with hands on in Build Release management, shell scripting, Unix System Administration, Linux Administration.
- ❖ Designed and implemented Software configuration management (SCM) and change management (CM) solution using TFS, Rational Clear Case, Jira, Clear Quest (Change Control tool).
- ❖ Experience of Jenkins/ Hudson, Subversion, Git, VSS, Clear Case, Build Forge, Team Build, Perl, Shell script, Power Shell, Install Shield, Install Anywhere, SQL Server, Unix, Linux, Windows Server, Citrix Server.
- ❖ AWS Cloud platform and its features which includes EC2, VPC, EBS, AMI, SNS, RDS, Cloud Watch, Route53, Auto scaling, Security Groups, Redshift, and Cloud Formation.
- ❖ Experience in installing, maintaining, and troubleshooting JBOSS in Linux/Unix, WebLogic Apache, Nagios and security software's.
- ❖ Experience in source code migration from other source control tools Rational Clear Case to TFS.
- ❖ Good exposure in administering version control systems to create daily backups and checkpoint files.
- ❖ Expertise in using build tools like MAVEN and ANT for the building of deployable artifacts such as war & ear files from source code.
- ❖ Experience in managing the artifacts generated by MAVEN in the Nexus repository.
- ❖ Involved in the functional usage and deployment of applications in Web Logic, Web Sphere and Apache Tomcat Server.
- ❖ Experience in managing the artifacts using Nexus repository and Virtual Machines using VMware, AWS.
- ❖ Good understanding and in-depth knowledge of Software Configuration Management (SCM) in Agile, scrum, and Waterfall methodologies.
- ❖ Expertise in Querying RDBMS such as Oracle and MY SQL by using SQL for Data integrity.
- ❖ Experience in managing and setting up Continuous Integration using tools like Hudson/Jenkins, BuildBot, Bamboo and Electric Commander, Sonar, Subversion, Team foundation server, Accrue and Nexus, art factory.
- ❖ Strong knowledge on source controller concepts like Branches, Merges and Tags.
- ❖ Ability in development and execution of XML, Shell Scripts and Perl Scripts.
- ❖ Good experience in automated deployment tool Nolio and conversion of builds.xml into pom.xml in order to build the applications using MAVEN.
- ❖ 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.
- ❖ Extensive knowledge in **JBOSS** installation and configuration.
- ❖ Performed Server health monitoring and system tuning as per vendor recommendations.
- ❖ Quick analyzing and identifying ability of operational issues including good understanding of backups, deployment and load balancing techniques.

- ❖ Extensive knowledge in job scheduling tools like Nagios.

### Tools Experience:

- ❖ Implemented **Ansible**, **Puppet** and **Chef**.
- ❖ Experience with **Cloud** Provision in **Amazon Web Service (AWS)**, **EC2**.
- ❖ Implemented Version controls tools **Stash/Git**, **SVN**, **TFS** and **Clear Case**.
- ❖ Implemented CI Tools **Jenkins**, **Bamboo**, **Team City**, **Anthillpro**, **TFS Team Build**.
- ❖ Implemented **Atlassian** Tools **Stash/Git**, **JIRA**, **Bamboo** and **Confluence**.
- ❖ Implemented **Jazz** Tools **RTC**, **RQM**, **RRC**.

### Work Experience:

#### DevSecOps Engineer

**Carnival Corporation** – Miami, FL.

April 2016 to Present

#### *Responsibilities:*

- ◆ Working for DevOps Platform team responsible for specialization areas related to **Ansible** for Cloud Automation.
- ◆ Worked on SDLC Agile methodology environments like Demo, Devv, Devint, QA, Performance, UAT and Production.
- ◆ Implemented Self navigable devops playground for buildmasters to build and deploy code using How to guide.
- ◆ Responsible for automated Scheduled Builds/Emergency Builds and Release using Groovy and Ant scripts for Enterprise application (**J2EE**) and Worked on Microsoft .Net Technology Stack.
- ◆ Developed installer scripts using groovy, **ANT**, **Python**, and **LINUX** for various products to be hosted on Application Servers.
- ◆ Used **Shell scripts** to automate the deployment process.
- ◆ Troubleshoot Build and Deploy Issues, with little downtime.
- ◆ Organized and Co-Ordinated Product Releases, work closely with product development, QA, Support across global locations to ensure successful releases
- ◆ Implemented rapid-provisioning and life-cycle management for Ubuntu Linux using **Amazon EC2**, **S3**, **Chef**, and custom **Bash** scripts
- ◆ Implemented **Twistlock** for **Docker** container security log monitoring.
- ◆ Implemented the security related patched which are recognized by **Qualis**.
- ◆ Monitoring source code in all bitbucket repositories using **Codacy** for **KPO**.
- ◆ Implemented **Java Springboot** and **Hibernate** Frameworks
- ◆ Worked on the AWS which using the **codedeploy** with an **SQL**.
- ◆ Automated builds using Jenkins, **TFS** team build and worked with **SFDC**.
- ◆ Worked on Managing the Private Cloud Environment using **Chef**, Python and Ansible
- ◆ Implemented **Chef Cookbooks** for OS component configuration to keep **AWS server's** template minimal.
- ◆ Involved in writing **recipes** and **cookbooks** for configuring server side through **Chef**. Used **knife** command-line to provide an interface between a local **Chef**-repo and the **Chef** server

- ◆ **Used AWS CLI to configure new environment in Amazon Web Services.**
- ◆ Expertise in **Udeploy** for Deploying to various environments and control those related dependencies
- ◆ Improvement of support and worked with Deployment tool: **Ansible Tower**.
- ◆ Developed automation framework for Application Deployments to the cloud environments.
- ◆ Configured application servers (**JBOSS**) to deploy the code. Configured plugins for the integration tools to the version control tools
- ◆ Supported troubleshooting ELB and reverse proxy(NGINX) issues for docker
- ◆ Improving Continuous Integration workflow using Virtual Environments like **Docker**
- ◆ Automating Build process using **Docker** and similar tools.
- ◆ Managed and optimize the Continuous Delivery tools like **Jenkins**.
- ◆ Installed, Configured, Administer **Jenkins** Continuous Integration Tool.
- ◆ Automated Continuous Build and Deploy Scripts for **Jenkins** Continuous Integration tool.
- ◆ Experience in working with cloud operating system like **OpenStack**.
- ◆ **Experience on working with monitoring tools Nagios, App Dynamics, ELK, Splunk and Sensu**
- ◆ Skill in designing solution for **CI/CD pipelines**
- ◆ Able to manage artifacts using **JFrog, Maven** for **build**.
- ◆ Provided **ANT build script** for building and deploying the application.
- ◆ Integration of Automated Build with Deployment Pipeline. Currently installed Chef Server and clients to pick up the Build from Jenkins repository and deploy in target environments (Integration, QA, and Production).
- ◆ Provided stable build environments for product development.
- ◆ Branching, Tagging, Release Activities on Version Control Tools: **SVN, GIT and Bitbucket**.

**Environment:** Git, Bitbucket, Jenkins, TFS, Java/J2EE, ANT, MAVEN, Web Logic, Perl Scripts, Shell Scripts, XML, Confluence, JIRA, RHEL 6 & 7.

## **DevOps Engineer**

**Univision** – Hackensack, NJ.

February 2015 to March 2016

### **Responsibilities:**

- ◆ Automated the build and deployment processes by combining the existing fragmented processes into a continuous integration system. This led to the productivity and greater satisfaction of the Univision development team and the management.
- ◆ Implementing new projects builds framework using Jenkins & maven as build framework tools and also Integrated Docker build as a part of Continuous Integration process and deployed local Docker registry server.
- ◆ Implementing a Continuous Delivery framework using Jenkins, Puppet, Maven & Nexus in Linux environment and performed troubleshoot during the Jenkins build process and was responsible for nightly and weekly builds for different modules.
- ◆ Manage deployment automation using Puppet, MCollective, Hiera, Custom Puppet modules, Ruby.
- ◆ Automated deployments of various JBOSS/J2EE web application on QA and PROD environments for different applications

- ◆ Responsible for Design of different release environments for new projects taken up by Univision.
- ◆ Created puppet manifests and modules to automate system operations and deployed puppet, puppet dashboard and puppetDB for configuration management to existing infrastructure of Univision.
- ◆ Redesigned and redeployed the Nagios implementation, and the functionality of that implementation is, nodes automatically added/removed themselves via puppet and managed the solution using active and passive checks.
- ◆ Other duties include developer tool support (including Subversion, Confluence Wiki, and Tomcat), documentation of build, release, and production support processes.
- ◆ Worked on the migration from physical servers to cloud (AWS), and used Chef to automate the infrastructure in AWS by creating EC2, S3, RDS, VPC and Route 53.
- ◆ Developed build and deployment scripts using ANT and MAVEN as build tools in Jenkins to move from one environment to other environments.
- ◆ Presented on View Object pattern in Web Application Automation C#, Ruby, Rake, Power shell, Selenium, Team City.
- ◆ Implemented continuous integration with Team City for advance notice of broken builds, failing unit tests and duplicated code.
- ◆ Installed/Configured/Managed Jenkins CI Automation.
- ◆ Involved in all projects that move to production and work closely with the Data Center, Development, Quality Assurance and Management teams to ensure cross communication and confirmed approval of all production changes
- ◆ Used JIRA to track issues and Change Management.
- ◆ Integrated JIRA with SVN and created automated release Notes using Perl Scripts.

**Environment:** Subversion (SVN), Jenkins, TFS, Java/J2EE, ANT, MAVEN, Web Logic, Perl Scripts, Shell Scripts, XML, UNIX, JIRA, Team city.

## **DevOps Engineer**

**Yahoo** – Sunnyvale, CA

September 2013 to February 2015

### **Responsibilities:**

- ◆ Release Engineer for a team that involved different development teams and multiple simultaneous software releases.
- ◆ Used Subversion as source code repositories, managed for branching, merging, and tagging.
- ◆ Developed Shell/Perl Scripts for automation purpose.
- ◆ Implemented multi-tier application provisioning in OpenStack cloud, integrating it with Chef/Puppet.
- ◆ Responsible for designing and deploying best SCM processes and procedures.
- ◆ Designing and implementing fully automated server build management, monitoring and deployment By Using Technologies like Chef.
- ◆ Worked closely with software developers and DevOps to debug software and system problems.
- ◆ Created scripts in Python which integrated with Amazon API to control instance operations.
- ◆ Deployed Puppet, Puppet dashboard for configuration management to existing infrastructure.

- ◆ Used Puppet to automate configuration management.
- ◆ Used Puppet to manage Web Applications, Config Files, Data base, Commands, Users Mount Points, and Packages.
- ◆ Maintained and coordinated environment configuration, controls, code integrity, and code conflict resolution.
- ◆ Used SVN for branching, tagging and merging.
- ◆ Involved in writing parent pom files to establish the code quality tools integration.
- ◆ Installing, configuring and administering Jenkins CI tool on Linux machines.
- ◆ Analyze and resolve conflicts related to merging of source code for GIT.
- ◆ Improved the performance of SQL scripts by using ORM methodology.
- ◆ Implemented the setup for Master slave architecture to improve the Performance of Jenkins.
- ◆ Used Jenkins for Continuous Integration and deployment into Tomcat Application Server.
- ◆ Installed and Configured the Nexus repository manager for sharing the artifacts within the company.
- ◆ Supported and developed tools for integration, automated testing and release management.
- ◆ Verified if the methods used to create and recreate software builds are consistent and repeatable.
- ◆ Involved in Research of the project application architecture to support/resolve build, compile, and test issues/problems.

**Environment:** Java/J2EE, ANT, Maven, Subversion, Chef, Puppet, ORM, Linux, AWS, OpenStack, Shell/Perl Scripts, Python, SCM, GIT, Jenkins, Tomcat, Jira

### **Build & Release Engineer**

**Crown Castle** – Pittsburgh, PA

July 2012 to August 2013

#### **Responsibilities:**

- ◆ Performed software configuration/release management activities for three different Java applications.
- ◆ 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.
- ◆ Developed automation framework for Application Deployments to the cloud environments.
- ◆ Worked on Managing the Private Cloud Environment using Chef.
- ◆ Implemented AWS solutions using EC2, S3, RDS, EBS, Elastic Load Balancer, Auto scaling groups, Optimized volumes and EC2 instances.
- ◆ Performed Branching, Tagging, Release Activities on Version Control Tools: SVN, GIT.
- ◆ Developed Perl and shell scripts for automation of the build and release process, developed Custom Scripts to monitor repositories, Server storage.
- ◆ Automated the cloud deployments using chef, python (boto & fabric) and AWS Cloud Formation Templates.
- ◆ Used Maven as build tool on Java projects for the development of build artifacts on the source code.

- ◆ Implemented rapid-provisioning and life-cycle management for Ubuntu Linux using Amazon EC2,
- ◆ Chef and custom Ruby/Bash scripts.
- ◆ Deployed the Java applications into web application servers like JBoss.
- ◆ Maintained and executed build scripts by coordinating with development and QA teams.
- ◆ Responsible in doing build and deploying on different environments simultaneously.
- ◆ Deployed the EAR and WAR archives into Web Logic and Apache Servers.
- ◆ Configured and Maintained Apache web servers for Release Management Team's internal use.
- ◆ Provided assistance to developers in resolving problems.
- ◆ Created and Maintained Subversion repositories, branches and tags.
- ◆ Acted as an Integrator for performing merge, rebase and baseline operations.
- ◆ Enforced development policies using Subversion hooks and other metadata.
- ◆ Attend forum for management of release weekly meetings.
- ◆ Monitor progression of releases and keep them on track for delivery on planned release date.
- ◆ Submit request for implementation to various groups who participate in release.
- ◆ Assemble Release Kit and complete all paperwork, including implementation/back out plans.
- ◆ Turnover documentation monitors status of actual production turnover.
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- ◆ Turnover documentation monitors status of actual production turnover.

**Environment:** DevOps, Java, Ant, Maven, Jenkins, Hudson, Chef, Puppet, Python, Perl, AWS, GIT, SVN, Apache Webserver, JBoss, Apache JMeter, MetaCase, GIT, SVN, Windows.

## **Build Engineer**

**Pharmavite** – Northridge, CA

August 2010 to June 2012

### **Responsibilities:**

- ◆ Release Engineer for a team that involved different development teams and multiple simultaneous software releases.
- ◆ Used Subversion as source code repositories, managed for branching, merging, and tagging.
- ◆ Developed Shell/Perl Scripts for automation purpose.
- ◆ Implemented multi-tier application provisioning in Open Stack cloud, integrating it with Chef/Puppet.
- ◆ Responsible for designing and deploying best SCM processes and procedures.
- ◆ Designing and implementing fully automated server build management, monitoring and deployment By Using Technologies like Chef.
- ◆ Worked closely with software developers and DevOps to debug software and system problems.
- ◆ Created scripts in Python which integrated with Amazon API to control instance operations.

- ◆ Deployed Puppet, Puppet dashboard for configuration management to existing infrastructure.
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- ◆ Used Puppet to manage Web Applications, Config Files, Data base, Commands, Users Mount Points, and Packages.
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- ◆ Used SVN for branching, tagging and merging.
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- ◆ Installing, configuring and administering Jenkins CI tool on Linux machines.
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**Environment:** Java/J2EE, ANT, Maven, Subversion, Chef, Puppet, ORM, Linux, AWS, OpenStack, Shell/Perl Scripts, Python, SCM, GIT, Jenkins, Tomcat, Jira.

### **Technical Skills:**

- ❖ Scripting Languages: UNIX, Shell scripting, Perl scripting, Python.
- ❖ Build Tools: MAVEN, Make, ANT, MS Build.
- ❖ Web Technologies: Servlets, JDBC, JSP, XML, HTML, .Net, Java Script.
- ❖ Bug Tracking Tools: JIRA, Fisheye, Crucible, Rally, Remedy and IBM Clear Quest.
- ❖ Web/ Application Servers Apache Tomcat, JBOSS, Web sphere, Web logic.
- ❖ Programming Languages: Java/J2EE, C, C++, Ruby, Perl scripting, Python, Shell scripting.
- ❖ RDBMS Oracle, DB2, MY SQL, SQL Server.
- ❖ SCM Tools: Subversion 1.5&1.6, Perforce and Team Foundation Server (TFS), Clear Case, Team city, puppet.