**HARSHINI G**

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Build & Release Engineer hgunti7@gmail.com

PROFESSIONAL SUMMARY:

* Over 7 years of experience in IT industry comprising of Development, Systems Administration and Software Configuration Management (SCM) Extensive experience includes SCM, Build/Release Management, and Change/Incident Management.
* Extensive experience with **Continuous Integration** Tools **(Jenkins, Hudson, Bamboo)**
* Experience in using **GIT and Rational Clear Case** on **UNIX** and **Windows** environment.
* Experience in **Mobile Application** & UMTS L3 protocol development. .
* Experience in **UMTS Access Stratum** (URRC), Bluetooth, Messaging (Multimedia Messaging services, Short Messaging Services), AT-Commands and MMI Applications for GSM/3G mobile handsets.
* Strong experience creating ANT/ MAVEN with Puppet build script for Deployment.
* Actively involved in Project Planning, Requirement Management, **Release Management** and User interface benchmarking for different **3G Mobile platforms**.
* Experience with **Anthill Pro**, an **Application Life Cycle Management** Tool (End to End Automation Tool)
* Expertise in DevOps, Release Engineering, Configuration Management, Cloud Infrastructure, Automation. It includes **Amazon Web Services (AWS),** Ant, Maven, Jenkins, Chef, SVN, Github, Serena Products, ClearCase, Build Forge, Serena PVCS, CVS, Tomcat, JBoss, Linux etc.
* Experience with **Udeploy**, **BMC RLM**; **Application Deployment Automation** Tools.
* Good Knowledge in **bash (shell)/Perl** and exposure to **Jython, Python** scripting.
* Worked with **Make**, **Ant** and **Maven** Build tools in Java and CPP Environment
* Extensively worked with Change tracking tools like **ITSM, BMC Remedy, JIRA, HP Service Center**
* Conceptual Knowledge with Peoplesoft HCM applications.
* Experience with **Atlassian tools like Bamboo, Jira, and confluence.**
* Experience with TFS (Team Foundation System) based **Build** System.
* Experience as a Cloud **DevOps** **Engineer**.
* Good Command in **Basic Linux, Solaris, AIX and Unix administration**
* Knowledge in **IIS** and hands on experience with **WebSphere, JBoss** and **WebLogic** deployments
* Hands on experience with **QTP, HP Load Runner** and **Selenium** Testing Tools
* Familiar with integrating JUnit, Cobertura, PMD **and other code quality quality**Tests as a part of build process.
* Experience in using **Nexus** and **Artifactory** Repository Managers for Maven and Ant builds.
* Good understanding of the DevOps philosophy and contributed Chef code to automate our systems.
* Performed **Database administration** tasks for **MS SQL** server and hands on experience with **Oracle**
* Hands Development Experience in **Java and J2EE** Applications
* Experience in implementing and making teams adapt to **Release/Change Management Process**.
* Experience with **Perforce**, **Subversion**and CVS
* Experience with **Windows/Microsoft, Apple/XCode,iOS, Linux/Unix/Java**
* Used scripting languages like **Python**, **Ruby**, Perl, Bash and configuration management tools Chef, Puppet, and CF Engine and Web Service like **AWS**.
* Experience working in various environments like **e-commerce**, **product**, **SAAS** and **IT web Apps**
* Exposure to **SDLC** and experience with building **deployment solutions for Scrum**.
* Experience with **SCA Fortify** and **Lithium** Static & Dynamic website/code scanning tools

PROFESSIONAL QUALIFICATION:

* Bachelors in Computer Science Engineering, JNTU.

TECHNICAL SKILLS:

* **Languages: C, C++, XML, SHELL, PERL, JAVA, POWERSHELL, Python, Ruby.**
* **Application/Web Server:** Oracle Web logic Server 11g, Apache Tomcat, Oracle Application Server 10g BEA WebLogic 8.1/9.2, WebSphere ,**JBoss**, Tomcat, IIS
* **Web Services/Technologies: HTML, XML, SOAP, WSDL, UDDI, XSD, XSL, XPATH**
* **Databases: MySQL, MS Access, Oracle 9i/10g, SQL Server 2005, 2008.**
* **Operating Systems: UNIX, Linux, iOS, WINDOWS NT/2000/2003/XP/vista/7.**
* **Version Control Tools:  CVS, SVN, Harvest, Perforce.**
* **Scripting Languages:** Unix Shell scripting, Perl scripting.
* **Build & Release Engineering / DevOps**: **MAKE, Jenkins, Puppet, AWS, Chef, Ant, Maven, Perl, HUDSON, ANTHILLPRO, BAMBOO.**

WORK EXPERIENCE:

**Client: Direct TV ,EI Segundo, CA Date: May2014 - Present**

**Role: Sr. Build & Release Engineer**

**Responsibilities:**

* Interacted with client teams to understand client deployment requests.
* Coordinate with the Development, Database Administration, QA, and IT Operations teams to ensure there are no resource conflicts.
* Worked closely with Project Managers to understand a code/configuration release scope and how to confirm a release was successful.
* Build, manage, and continuously improved the build infrastructure for global software development engineering teams including implementation of build scripts, continuous integration infrastructure and deployment tools.
* Managing the code migration from TFS, CVS and Star team to Subversion repository.
* Implemented continuous **integration using Jenkins.**
* Created automation tool using **Anthillpro** of daily weekly quarterly **admin activities**, build, patch and package tasks using AnthillPro.
* Created repositories according the structure required with branches, tags and trunks.
* Attended sprint planning sessions and daily sprint stand-up meetings.
* Configured application servers (**JBOSS**) to deploy the code.
* Used sub modules in the **GIT** and educated users working with sub modules in **GIT**.
* Configured plugins for the integration tools to the version control tools.
* Worked with the developers to configure plugins trough Eclipse to develop the code.
* For check in process used **Tortoise SVN** as a migration tool.
* Involved in migration of Bamboo server, Artifactory & Git server.
* Responsible for writing Hooks and Triggers using Perl. Built Java application using ANT.
* Good in provisioning and deployment tools like **Puppet**.
* Developed unit and functional tests in **Python** and **Ruby**.
* Used configuration management tools **Chef**, **Puppet**, and CF Engine.
* Used **Puppet** and **MCO** **for Configuration** Management tool.
* Developed and maintained Perl/Shell scripts for build and release tasks.
* Extensively used ANT tool to do the builds, integrated ANT to Eclipse and did local builds.
* Integrated **Maven** with **Jenkins** for the builds as the Continuous Integration process.
* Involved in Upgrade of **Bamboo** & Artifactory Server.
* Build Java code and .NET code on to different **Jenkins** servers as per the schedule.
* When required applied patches as per the release process.
* Maintained **JIRA** for tracking and updating project defects and tasks.
* Managed and document all post deployment issues utilizing the Post Deployments Issue Log.
* Strong in building Object Oriented applications using C++ and Java, writing Shell Scripts and Perl Scripts on **UNIX**.
* Involved in Customization of WorkItems, Transition Matrix in TFS.
* Organized a daily stand-up post-deployment meeting to review all issues being tracked. Ensure every issue has an owner and that it is resolved while capturing the specific details about the issue, resolution, and which organizations and individuals provided the resolution.
* Documented all post-deployment issues in a log and assist in resolving these issues where applicable, maintaining timely updates within the log. Manual and Automation process of creating branches tags and code merging
* Ensured all steps are successfully completed and document their completion times and issue logs.

**Environment:** Perl Scripting, Shell Scripting, Subversion, Perforce, Hudson, Jira, Bamboo, GIT, (WAS), Web services, Web Logic, Puppet, Mco, Test Director, Mercury,JAVA,CSS, Quality center, Visual Build, Ruby, ANT, TFS 2008/2010(Team Foundation Server) , Jenkins, J2EE , Web sphere.

**Client: Syniverse Technologies , Tampa FL June 2013 – April 2014**

**Role: Build & Release Engineer**

**Responsibilities:**

* Maintained and administered **GIT** source code tool.
* Created Branches, Labels and performed Merges in Stash and **GIT**.
* Developed processes, tools, automation for **Jenkins** based software for build system and delivering SW Builds.
* Managed build results in Jenkins and deployed using workflows.
* Delivered specific versions of various components of an application into target environments.
* Maintain and track inventory using Jenkins and set alerts when the servers are full and need attention.
* Modeled the structure for multi-tiered applications orchestrate the processes to deploy each tier.
* Developed build and deployment scripts using **ANT** and **MAVEN** as build tools in Jenkins to move from one environment to other environments.
* Have used Confluence to create, share and discuss content and projects.
* Familiar and experienced with **Agile** Scrum development.
* Proposed and implemented branching strategy suitable for agile development in Subversion.
* Created Branches, and performed Merges in Source Tree & Stash
* Installed and configured Jenkins for Automating Deployments and providing an automation solution.
* **Integrated** **GIT into Jenkins** to automate the code check-out process.
* Used Jenkins for automating Builds and Automating Deployments.
* Very strong Project Management experience performing ITIL RM /SCM activities.
* Knowledge of concepts in code lines, branching, merging, integration, versioning, etc.
* Excellent problem solving, analytical skills and technical troubleshooting skills.
* Clarity and precision in verbal and written communications.
* Worked with customers, developers, testing, product management and support staff.
* In-depth understanding of large complex software systems to isolate defects, reproduce defects, assess risk and understand varied customer deployments.

**Environment**: Windows Solaris, UNIX, C++, Java, CSS, Eclipse 3.20, Ant, Jenkins, JBoss Application Server, CVS, Subversion, Ruby VTFS, Jira and Cygwin.

**Client : Morgan Stanley, Houston, TX Feb2012 - May2013**

**Role: Build & Release Engineer**

**Responsibilities:**

* Installed and configured **AnthillPro/Jenkins** for Automating Deployments and providing a complete automation solution.
* Wrote CFengine bundles to make the implementations reusable.
* Created continuous integration system using Ant, Jetbrains, Team City, full automation, Continuous Integration, faster and flawless deployments.
* Involved in NXP Bluetooth API development. NAPI-BT a wrapper layer of BT STACK modules and STACK message interfaces in the platform SW, to provide MMI the simplified interface to access Bluetooth services.
* Managed and analyzed Customer/Functional requirements, Generic UI Specification, Application use-case.
* Made proposals for architecture definition of external application integration on top of BT Stack. Design, Implementation, Debugging and Bug Fixing. Documentation of release documents.
* Rendered support to Wingtech for integration of Application framework on top of NAPI layer.
* Managed the build and release process for NAPI modules.
* Worked with Bluetooth Application Integration. BT Application a Reference Application for NXP SySol Platform solution to present Bluetooth capabilities.
* Involved in development and integration of BT Applications for profiles such as HSP/HFP, OPP and HID.
* 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 **AnthillPro/Jenkins** to automate the code check-out process.
* Build Results are managed in **AnthillPro** and deployed using workflows in **Anthill** Pro.
* Performed setup of clustered environment setups with Websphere Application Server.
* Wrote scripts to perform deploys to tomcat Webserver and **WebSphere** App Servers.
* Proposed and implemented branching strategy suitable for agile development in Subversion.
* Imported and managed multiple corporate applications in Subversion (SVN).
* 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 Perl scripts for the automation purposes.
* Deployed the static content into the web servers like Tomcat, IPlanet, and IBM HTTP Server.
* Deployed Dynamic content to Application servers like WebSphere and WebLogic.
* Involved in maintaining and editing Jython 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, Java, Eclipse, Ant, Jenkins, Maven, Install Anywhere, Tomcat Apache Application Serve

**Client: Bharthi Airtel, India. Nov 2010 – Jan 2012**

**Role: Release Engineer**

**Responsibilities:**

* Worked closely with the Development Team in the design phase and developed use case diagrams using Rational Rose.
* Worked with the Architects on SDLC process being the owner of post development environments.
* Coordinating the resources by working closely with Project Manager’s for the release and Project Manager for all the Operational Projects.
* Carried Deployments and builds on various environments using continuous integration tool.
* Source code configuration tools **Subversion** and **GIT** used for different projects.
* Developed and implemented the software release management for the release of web applications.
* Wrote **ANT** and **MAVEN** Scripts to automate the build process**. Configured Bamboo for doing the build in all the non-production and production environments.**
* Used Shell to automate the deployment process.
* Performed Load/Functional testing using Mercury Load runner and HP QTP.
* Designed a customized Status Reporting tool used currently, based on the specific requirements using J2EE/Struts and **Websphere Application Server** with DB2 as Database.
* Coordinated all the IT projects successfully by resolving release interdependencies

**Environment:** Subversion, GIT, Bamboo, Java/J2EE, JDK, ANT, MAVEN, DB2, UNIX, Windows XP, Web Sphere, HP Quality Center.

**Client: Xcelerate Solutions Pvt.Ltd, Hyderabad Sep 2008 - Oct 2010**

**Role:** **Jr.Release Engineer**

Responsibilities:

* Participated in the release cycle of the product which involves environments like **Development, QA, UAT and Production**.
* Responsible for the build and release management process.
* Responsible for **Automated Build Scripts**.
* Developed Perl and shell scripts for automation of the build and release process.
* Responsible for **Building and Releasing packages for testing**.
* Used **BuildForge** as a continuous integration tool for automation of daily process.
* Setup and debug hardware related issues for **Server builds.**
* Perform biweekly build cycle and testing processes on **Solaris**.
* Responsible for design and maintenance of the **Subversion (SVN) Repositories.**
* Developed build and deployment scripts using **ANT and MAVEN** as build tools in Jenkins to move from one environment to other environments.

**Environment**: Subversion, Hudson, Apache Tomcat, Java/J2EE, ANT, Shell Scripts, UNIX, LINUX, Windows XP.