Saravanan Krishnamoorthy

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**Summary of my profile and experience**

12+ years of experience with strong knowledge in Build and Release. Leading, managing and developing automation and CI/CD pipeline in Linux and Windows environments.

**Skills & Tools**

Languages & Tools: Perl, Perl/DBI, Python, Ruby, CGI, Shell, Ant, Maven, CVS, SVN, JIRA, GIT, Fortify, Chef, Ansible, Gerrit, Zuul

Databases: MySQL, Sybase

Platform: Unix, Linux, Windows

**Highlights**

* Proficient in design and implementing CI/CD pipeline
* Containerizing and deploying microservices using Docker and Kubernetes
* Created and implemented self-service tools for developers, increasing their productivity.
* Strong communication skills, Interpersonal skills, leadership skills, self-motivated, quick learner and team player

**Professional Profile**

**Cloudera, Palo Alto, CA**

**April 2016 – Till Date**

**Lead DevOps Engineer**

* Managing Github and Gerrit repositories
* Designed and implemented automation using REST API
* Worked on packaging different big data components in Redhat and Debian platforms
* Automating Jenkins slave setup using Ansible playbooks
* Worked and Implemented Jenkins job builder
* Owned, designed and implemented the automation effort around Fortify scans
* Improved the build breakage notification using PagerDuty and slack
* Containerizing legacy python-based applications and deploying it on a Kubernetes cluster.

**Ask.com, Oakland, CA**

**February 2014 – April 2016**

**Senior DevOps Engineer**

* Setting up the maven repository management toolNexus
* Coordinating with Development, QA and Site Operations team to deploy applications
* Creating a release process in promoting source codes using Maven
* Writing shell, Perl and Python scripts to do log rotation for different applications
* Writing Maven POM files and resolving the dependency issues
* Configuring Hudson to build and deploy application to staging machines
* Setting up Hudson jobs for building applications
* Setting automated Cron job to create branches using Hudson
* Creating and maintaining the repositories in Subversion and GIT
* Worked with Site Infrastructure team and designed a framework to deploy applications to production using Chef
* Writing the recipes and cookbooks to build and deploy application using Chef
* Building and packaging the applications as RPM

**Symantec Corporation, Mountain View, CA**

**May 2012 – January 2014**

**Configuration Mgmt. Engineer**

* Creating and Maintaining the source code repositories in Subversion
* Writing Perl scripts to automate the build process
* Responsible for setting up and maintaining builds in Jenkins
* Setting up and Monitoring nightly builds
* Responsible for weekly branch merges
* Coordinating with development team to resolve merge conflict
* Responsible for setting up build machines
* Responsible for releasing the software
* Coordinating with QA for building and releasing Hotfixes
* Responsible for setting and running smoke tests
* Responsible for setting up and monitoring multiple deployment machines
* Designed branching strategies
* Migrated SVN repository from windows to Linux
* Responsible for setting up the SVN backup
* Confluence administration

**Cognizant Technology Solutions, Chennai, India**

**March 2007 – April 2012**

**Team Lead**

I joined Cognizant as a Programmer Analyst and was quickly promoted to Associate. Following is the brief description of my contribution to different clients.

**Ask.com, Oakland, CA**

**June 2009 – April 2012**

**Build and Release Engineer**

* Creating and maintaining the repositories in Subversion and GIT
* Migrated CVS repositories to Subversion
* Setting up the maven repository management toolNexus
* Coordinating with Development, QA and Site Operations team to deploy applications
* Creating a release process in promoting source codes using Maven
* Writing shell and perl scripts to do log rotation for different applications
* Writing Maven POM files and resolving the dependency issues
* Configuring Hudson to build and deploy application to staging machines
* Setting Subversion sync of repositories for backup
* Setting up Hudson jobs for building applications
* Setting automated cron job to create branches using Hudson
* Creating and maintaining the user access to SVN, GIT and Hudson
* Worked with Site Infrastructure team and designed a framework to deploy applications to production using Chef
* Writing the recipes and cookbooks to build and deploy application using Chef
* Building and packaging the applications as RPM
* Migrated the source code from Subversion 1.4.3 to 1.6.15
* Managing and setting the build servers

**E\*Trade Financial Corporation, Chennai, India.**

**December 2007 – May 2009**

**Build Engineer**

* Created branches, tags and merging of branches using CVS and Subversion.
* Coordinate with developers and quality team for production release.
* Involved in writing the Perl and Shell scripts for automating the builds.
* Installed ViewVC and integrated it with Subversion.
* Have experience in integrating JIRA with Subversion.
* Resolved the source code merge conflicts.
* Involved in the Packaging open source technologies using maven and ant.
* Interacted with client for planning the release.
* Maintaining the E\*Trade package repositories.
* Automated the Maven and Ant builds using Hudson.
* Scheduled the cron jobs for automated build.
* Involved in understanding the various technologies (Tuxedo, Maven) that are used in the project.
* Involved in C++ source code migration from GCC 3.2.3 to 3.3.2.
* Created a dashboard using PHP for installing the RPM packages on different staging machines

**eBay Inc., Chennai, India**

**March 2007 – November 2007**

**Programmer Analyst**

* Understanding and documenting the business flow of existing modules in V2 framework.
* Understanding VC++ code and creating ERD to migrate into JAVA
* Assisting the developers in migrating VC++ to JAVA
* Setting the development environment for V4 framework
* Coordinating with onsite and offshore teams

**August 2004 – February 2007 OnSpec Legend Information Systems Pvt. LTD, Chennai, India as Application Engineer**

* Debugging and developing Windows and Linux device drivers for USB thumb drives
* Writing FAT16 and FAT32 file systems for different sizes of flash medias
* Developed applications to write firmware into USB flash drive using VC++
* Formatting different NAND Flash Medias like small block, big block, etc.
* Developing windows applications using VC++ to write firmware into USB thumb drives
* Developing Windows device drivers for ATA/ATAPI devices
* Developing applications in Linux and MAC to format and write file sytems into USB flash drives

**Academic Credentials**

* B.E. (Mechatronics Engineering) from Bharathiar University in 2003.