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 tool Nexus
- 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 tool Nexus
- 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.