**Emad Syed**

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**Objective**

To establish a challenging and growth oriented career in an organization where I can utilize my knowledge and skills to the fullest potential and capability, resulting in self-development and become an asset for the growth of the company.

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**Summary**

* Over **8 years** of experience as a **Devops Engineer and** **Build** **and Release Engineer in automating, building, deploying, managing and releasing of code** from one environment to other environments.
* Management **(SCM) & Development** including end-to-end code configuration, build & release management process, building binaries & deployments of **artifacts for entire life cycle model.**
* Skilled at Software development life cycle **(SDLC) and Agile** programming methods.
* Hands on experience with infrastructure configuration management software such as **Chef, Puppet.**
* Possessing strong knowledge in Ant and Maven build tools and implementing it with Jenkins with **AWS** services **(EC2, EBS, S3, RDS, IAM, VPC, Cloud formation, Auto scaling)**
* Collaborating with **DBAs, Technical operation teams, Development teams**, Support &amp, services teams, Project managers, Dev. Managers etc.
* Creating Build environments on windows servers – **Installing Build software and making systems ready to use for build setups.**
* Coordinating with QA teams in handing over environments (**IST/Staging, QA, UAT and Production**) for Testing and Certifications.
* Good knowledge and practical experience on Build Automation tools like **Ant, Maven**.
* Implementing release deployment standards **troubleshoot and fix compilation or build and deployment script** issues.
* Extensively worked with version control systems like **GIT, CVS, perforce version, Subversion control systems.**
* Ability to build deployment, build scripts and automated solutions using **Python, Perl**.
* Solid understanding of Operating systems like **Linux, UNIX, windows**.
* Automate and extended continuous delivery for applications using **Chef and puppet**.
* Experience in administration and maintenance of application service like **DNS, Mail, HTTP, Apache, Tomcat, Squid, DHCP, SMPT, FTP, POP3, NIS, NFS and Samba**.
* Experience in architecting and configuring secure **VPC through private and public networks in AWS.**
* Created and managed cloud VMs with **AWS EC2** command line clients and AWS management console.
* Used security groups, **network ACLs, Internet Gateways, NAT instances and ip tables** to ensure a secure zone for organizations in AWS public cloud.
* Setup **Elastic load-balancers** for different applications to ensure high availability of applications.
* Used Amazon **Route53** to manage DNS zones and also give public DNS names to elastic load balancers.
* Install, configure, deployment of **Docker container** on Linux servers.

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**Technical Skills**

* Programming Languages**: C, C++, Java, Shell scripting, Perl scripting, Python.**
* Operating Systems**: Windows XP, 2000, 2003, 2008, 2012, UNIX, Linux.**
* Continuous Integration/Delivery**: Hudson/Jenkins, Team City, Chef, Puppet.**
* Software Configuration Management**: SVN/Subversion, Perforce, GIT, Bitbucket, GitHub.**
* Project Tracking Tools**: Atlassian Jira, IBM RTC, Remedy.**
* Technologies: **Servlets, JSP, JDBC, HTML, XML, node.js**
* Build Automation Tools**: ANT, Maven, MSBuild, npm.**
* Databases: **Oracle, MySQL.**
* Application Servers**: IBM Websphere, Weblogic, JBOSS, Apache Tomcat.**
* Cloud: **Amazon Web Services**

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Education**

**Bachelors** in **Computer science** from **JNTU**, Hyderabad, India.

**Cisco Certified Network Associate** (CCNA).

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**Work Experience**

**Sr. Devops Engineer**

Joy Global, Milwaukee, WI June 2013 to Present

**Responsibilities:**

* Responsible for **building out and improving** the reliability and performance of infrastructure deployed on **Amazon Web Services**.
* Deploy and monitor scalable infrastructure on **Amazon web services (AWS)** & configuration **management using puppet**.
* **Design EC2 instance** architecture to meet high availability application architecture.
* Develop **Cloud Formation** scripts to build on demand **Ec2 instance formation**.
* Developed **Chef** **Cookbooks**, **Recipes**, **Resources** and **Run** **lists**, Managed **Chef** **client** **nodes**, and uploaded cookbooks to **chef**-**server** using Workstation.
* Managed **Chef** **Server** in pushing the Infrastructure changes to client nodes, monitoring the logs and security.
* Written **Cookbook** **unit** **test** using **Chefspec** and **Integration** **tests** using **Serverspec**.
* Created **cloud** **stacks** using **AWS** **Cloud** **Formation** service.
* Designed **Puppet Modules to manage configurations** and automate installation process.
* Used **Puppet to push configuration** files and deployments, Worked on **Puppet manifests** for deployment and configurations.
* Create **server orchestration** platform with **puppet**.
* Implemented and maintained Puppet configuration **management spanning** several environments in the **AWS cloud**.
* Created new Build jobs, Integration Testing jobs and Deploy jobs in **Jenkins** to automate the build process.
* Created **Build** **Pipelines** in Jenkins using **Build** **Pipeline** and **Multiline** **view** **plugins**, which will shows the complete set of jobs which are running as part of **CI** setup in a single page.
* Experience with **SVN** to **GIT** migration.
* Installation, configuration and management of **GitHub, SVN and Jenkins**.
* Wrote **python scripts** to automate pre and post checks for patch management on Linux servers.
* Experience in monitoring System/Application Logs of server using **Splunk** to detect Prod/Non Prod errors etc.
* Created different application processes in **uDeploy** which would deploy applications, run automated tests, add status messages based of the results and rollback the deployments based on the failures into different environments.

**Build and Release Engineer**

Citi Bank, Dallas, TX November 2011 to April 2013

**Responsibilities:**

* Performing **Build & Release** activities for **Major and Service Pack releases.**
* Worked closely with the development and operations organizations to implement the necessary tools and process to support the **automation of builds, deployments, testing and infrastructure** (infrastructure as code) **using Chef**.
* Developed **Chef Recipes** to configure, deploy and maintain software components of the existing infrastructure.
* Setting up & trouble shooting the **nightly/on-demand builds for all Patches/Hot-fixes and** for all releases.
* Setting up **Jenkins Continuous Integration builds for all releases** on windows and Linux.
* **Integrated Maven with Subversion to manage** and deploy project related tags.
* **Setup Maven Remote Internal Secure Repository** with access restricted to team members.
* Installed and **administered Nexus repository** to deploy the artifacts generated by Maven and to store the dependent jars which are used during the build.
* Installed and configured **Jenkins tools on Linux and** windows platforms, Manage slaves and **installing Jenkins plug-ins.**
* Streamlined Build process **for Fortify scan** of code from Manual to Automated mode by setting up **Jenkins**.
* Following agile methodology **using RTC** as a supporting Tool.
* Had **setup one of the build components** as a Developer’s Self-service.
* Developed **Shell script to list recent ‘n’ number of builds** for all the components.
* Installed and configured **Sonar server and client configured Jenkins jobs to run Sonar Analysis jobs.**
* Developed **server-side and client-side hooks/scripts** as well as other glue software to customize Git and tie in with other tools such as code review tools(gerrit), **defect tracking(JIRA), build management**(Continuous integration server-Hudson), etc.
* Installed and **configured Websphere application servers**. Deployed Java based application in Websphere application servers.
* Automated the provisioning of Tomcat **app instances, Apache web instances through** **CHEF**.
* Converted deployment shell scripts into **Ruby scripts** to **deploy from Chef.**

**Linux Admin/DevOps Engineer**

**Bharati Airtel,** Hyderabad, India December 2009 to October 2011

**Responsibilities**:

* Worked on variety of **Linux platforms Red Hat Linux, Ubuntu, Solaris which includes installation, configuring and maintenance of applications** on this environment.
* Uses both **Graphical User interface (GUI) and terminal for Linux commands**.
* Works with **Symantec and BSC team to setup the Symantec O3 IDLINK Open VPN Servers.**
* Build servers using **Kick Start, Red Hat Satellite Server, and VSphere Client**.
* Implemented **automations tools chef and puppet.**
* Troubleshoot the build issue during the **Jenkins build process**.
* Extensively worked **with Version Control Systems SVN.**
* Migrated **to Red Hat satellite server 6 version**.
* Implemented **Bash, Ruby and PowerShell** scripting.
* Updating patches to keep servers updated against bugs present in the **operating system using Red Hat Satellite Server, yum,** etc.
* Installed packages using **YUM and Red hat Package Manager (RPM) on various servers.**
* Troubleshooting network administration**, IIS configuration, DNS setup and modifications, firewall rule sets, local and distributed director, connectivity**, and supporting applications.
* **Installed, configured and provided support** for **Tivoli Monitoring software** across various OS platforms like RHEL, AIX and Solaris.
* Configuring and managing **the SSH, SSL, NFS, FTP, and SMTP Servers o**n Linux.
* Involved **in ILMT Agent Deployments and Oracle/SQL Upgrade** project which includes various UNIX builds of different OS platforms across various data centers.
* Responsible for independent support of Tier 2 issues**: reboots, start/stop services, reset Terminal Service and pc anywhere connections,** and administrative server maintenance. Daily follow up with clients to ensure resolution of all issues.
* Provide support to **Account Managers, UNIX and Windows technicians**, and other departments.
* Used Logical Volume Manager for **the management of Volumes including creation of physical and logical** volumes on Linux.
* Coordinated with various cross functional teams **across IT operations to make sure smooth functioning** of projects.
* Worked closely **with DBA Team** in order to adjust **kernel parameters** as per requirements.
* Day to day resolution on Linux based issued though **SMS ticketing system in compliance to SLA cycles.**
* Automating many day to day tasks through **Bash scripting**.

**System /Network Administrator**

**Focus Associates, Hyd, India** May 2008 to November 2009

**RESPONSIBILITIES:**

* **Managed Windows network** (users, computers and network devices) with Active directory.
* **Exchange Server 2003** Management.
* Responsible for **managing and maintaining of networks of multiple clients offices**.
* Involved in complete system builds, upgrades, migrations, code deployments and patch management.
* Implemented **security policy and virus protection**.
* Administered change **management related to server upgrades and software installation.**
* **Served as the main POC (**Point of contact) for any outside vendors (Hardware/Software ) and managed maintenance/repairs as required
* Performed daily, **weekly, monthly maintenance backups/restorative exercises using Backup Executive tool.**
* Provided system admin support as required to maintain **user accounts, DNS, DHCP, WINS etc.**
* Maintained connectivity to the **internet and VPN to branch offices**.
* Monitored and resolved network and application alerts, involving start/stop services, reboots and troubleshooting applications on web servers.
* Effective coordination **with DBA's and the vendors to resolve** production outages in a timely manner.
* Using group policies and **installing windows updates accordingly**.