**QamarKhan**

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IT professional with around 8 years of experience in managing software product development, configuration management, change management and Release management in Financial, Ecommerce and Medical Enterprises. To obtain a position in Change/Release Manager role that manages, develops, coordinates and directs activities and application changes to different server environment and infrastructure.

Summary

* Around 7+years of extensive experience in Build Release and DevOps Engineering and Process Methodologies.
* Excellent understanding of SDLC Methodologies like Agile, Waterfall, RUP Process.
* Proficient in AWS Cloud platform and its features which includes EC2, VPC, EBS, AMI, SNS, RDS, EBS, Cloud Watch, Cloud Trail, Cloud Formation AWS Config, Autos calling, Cloud Front, IAM, S3, and R53.
* Worked on system configurations in SaltStack environment.
* Worked with configuration Management tool - Ansible, have setup Ansible projects and configured the playbooks for the micro services.
* Performed the automation using Chef Configuration management and managing the infrastructure environment with Puppet.
* Expertise in Continuous Integration tools with Jenkins, Anthill Pro, Build Forge, CruiseControl and Team Foundation Server (TFS).Migrated software engineering from TFVC to Git revision control system.
* Administrated and monitored activities for SVN, GIT, Team Foundation Server (TFS).
* Good Command in Shell/Perl/Python/Bash/PowerShell scripting. Developed multiple PowerShellscripts for .NET Applications. Proficient in Unix/Linux/Windows OS administration.
* Experience with My SQL, Linux/Unix, Windows NT, and Java/J2EE, WAS, MS-IIS, Flash, Install Shields/Creating Linux RPMs.
* Efficient experience in using Nexus and Artifactory Repository managers for Maven builds. Experience with NANT, MSBuild for building .NET Applications.
* Used C# and the .NET framework to create multiple console and MVC applications with Visual Studio Community Edition.Used Ant/Maven for building scripts for Java Applications.
* Wrote deployment Automation scripts for multiple .NET and JAVA/J2EE Applications.
* Designed Node Package Management (npm) based build system using grunt.
* Customized ALM modules and supported user export process into ALM Defects, Test Plan, and Requirements.
* Hands on experience in writing Database scripts using PLSQL.Extensive working experience on Oracle xi/xg, MS SQL, IBM DB2.Hands on Administration experience with WebSphere, WebLogic, Apache and JBoss Application Servers.Installed and configured various continuous integration tools like Udeploy.
* Extensive knowledge and administration experience in JIRA and knowledge on other Atlassian products like Docker, Bamboo.
* Integrated Jenkins with various DevOps tools such as Nexus, Sonarqube, HP CDA, HP ALM and HP QTP etc.

Technical Tools

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| Operating Systems | Unix, Solaris, Linux, HP-UX, Windows Server 2003/2008/2010 R2. |
| Scripting | Shell, Perl, Python / Jython, Bash, PowerShell, Ruby, Groovy. |
| Build Scripting | Make, Apache Ant, Nant, Maven, Grunt, MSBuild and Gradle. |
| Continuous Integration Tool | Anthill Pro 3.8, Jenkins/Hudson, Bamboo, CruiseControl, Team Foundation Server, TeamCity. |
| Deployment Tools | Nexus, IIS, IHS, WebSphere, WebLogic, Tomcat, JBoss |
| Source Control | Rational Clear Case, VSS, TFS, Perforce, SVN, GIT, Clear Case |
| Database | Oracle 8i/9i/10g, QL Server. |
| Languages: | C, C++, Java, Groovy, J2EE, C#, .NET |
| Application Monitoring Tools | J2EE, JSP, RMI, EJB1.1, JDBC, JavaScript, VB Script  Nagios, Mercury, IBM RTC (Rational Team Concert), PHP. |
| Bug Tracking Tools | Bugzilla, Clear Quest, Footprints, Quality Center, Junit, Load runner. |
| ETL Tools | ETL Service/Engine, DB2 client, Discovery, Data Studio, Data Architect |
| Others | Chef, Puppet, AWS, Ansible, Atlassian Tools: JIRA, JAZZ, Docker, IIS, Gerrit, Visual Studio |
| Middleware Administration | JBoss, WebSphere, WebLogic, Apache, Tomcat-Serverand Jetty. |

Professional Experience

**FINRA, Dallas, TX DevOps Engineer/Build and Release Engineer**

**February 2014- Current**

Defined, managed and identified build/release items throughout product lifecycle for assigned tracks.

Worked with IT operational readiness team to design and implement build and release scripts on Windows and **UNIX** and implementing/configuring an industry standard tool.

* Involved in deploying the content cloud platform on Amazon AWS using EC2, S3 and EBS. Evaluate Chef Framework and tools to automate the cloud deployment and operations.
* Collaborated in the automation of AWS infrastructure via Terraform, Ansible software and services configuration via chef cookbooks.
* TDD for chef recipes/cookbooks with test-kitchen, chef spec, server spec.
* Set-up and configured AWS services to best practices. Integrated AWS asset provisioning with code release and continuous deployment processes.
* Automated the all servers in Rackspace and AWS with full 3 tier web architecture using Ansible.
* Experienced in working with GIT to store the code and integrated it to Ansible Tower to deploy the playbooks.
* Implemented rapid-provisioning and life-cycle management for Ubuntu Linux using Amazon EC2, Chef, and custom Ruby/Bash scripts.
* Utilized Chef to provision servers for quick deployment of application, web, and database servers.
* Automated deployment of software and provisioning of Linux hosts using Chef.
* Performed system administration and operations tasks using Chef.
* Implemented a Continuous Delivery pipeline with Docker, and Git/GitHub and AWS.
* Developed automation and deployment utilities using Ruby, Bash, PowerShell, Python and Rundeck.
* Developed policy and scripts for automation under Build Forge, Involved in writing Test scripts using Python.
* Experienced in Shell and Python scripting to automate system administration jobs. Also implemented and enhanced existing scripts developed in Shell and Ruby.
* Wrote PowerShell script to automate config file deployment instances to staging and UAT environment.
* Automated build processes using PowerShell, Team Build, MSBuild, VBScript and workflow definitions within Team Foundation Server (TFS).
* Integrated PowerShell scripts in the prepared build system to automate website deployments to IIS server.
* Configured multiple websites in IIS and installed Plugins to proxy requests to Application server.
* Expertise in developing windows applications, web applications, windows services and web services in Microsoft Visual Studio.
* Coordinated and collaborated with Enterprise Visual Studio and TEAMBUILD administrators on new   
  installs, conversions and upgrades that are scheduled on all build servers.
* Automated the migration of Subversion (SVN) repositories to Git while preserving the commit history and other metadata like branches, tags and authors.
* Controlled project resources, planning and implementation using MS Project, SharePoint and AGILE methodologies.
* Experience in usage of Source Control and Version Control tools Team Foundation Server (TFS) and GitHub. Hands on experience with SQL Server Services SSIS, SSRS and SSAS.
* Configured Git with Jenkins and schedule jobs using Poll SCM option. Involved in the migration of code from Subversion (SVN) to Git.
* Managed Version Control Subversion (SVN) and GITHub Enterprise and Automated current build process with Jenkins with proposed Branching strategies to accommodate code in various testing cycles.
* Managed Git and Subversion (SVN) branching and merging for older projects in multiple simultaneous releases.
* Expertise in setting up the SCM standards/processes for development groups, designing branching and labeling. Setup the TeamForge GIT, Gerrit and Artifactory for the new products.
* Configured Source Code Management tools with Jenkins and executed triggers in Subversion (SVN).
* DevOps Managed Services implementation using Gradle, Git / Stash, Confluence, SonarQube, Linux, Nexus, Tomcat and Rundeck.
* Experienced in version control tools such as Microsoft Visual Source Safe, Team foundation server (TFS) etc.
* Used Team Foundation Server (TFS) 2015 API to dynamically change TFS Build definitions for release preparation.
* Administered Team Foundation Server (TFS), like setting up users for each project, created build definitions as per requirement.
* Proposed and implemented change requests to enhance the batch processed data integration using Team Foundation Version Control (TFVC).
* Migrated the source code and changes in Subversion and TFVC to Git repositories hosted in Visual Studio Online.
* Provided various services (including Project Management (MS Project); Source Control (TFVC); Application Development (Visual Studio; TFS)) as needed for a variety of clients.
* Utilized Perl programming for automated report generation and delivery. Wrote Perl scripts to filter records from flat file and upload the information into database using regular expression.
* Created trigger events using UNIX and Perl to send email to project managers on high severity issues.
* Developed automation process for code builds and deployments; Ant, Maven, Sonar type Nexus, Shell Script, Perl, Java.
* Possessed strong knowledge in Ant and Maven build tools and implemented it with Jenkins, Anthill Pro and Build Forge.
* Maintained and Administrated continuous integration instances based on Maven and Jenkins.
* Extensive experience with Hudson/Jenkins and JetBrains TeamCity for continuous integration, Sonatype Nexus as Artifactory Server.
* Designed and implemented a Continuous Integration and Delivery environment for automated JBoss application deployments using Jenkins, Rundeck and Make.
* Involved in Setting up the backup server for Jenkins and prepared disaster recovery plans for Jenkins and bamboo.
* Managed builds and made necessary changes to Ant build scripts for Java/ Web sphere based applications.
* Deployed code on Jboss, Websphere and Tomcat Application Servers for Production, QA, and Development environments using IBM Udeploy.
* Created Application Server, nodes at a cell level, created clusters, defined Data Sources for Database connectivity, Created Bus members, and defined Activation Specs to provide configurations for messaging queue in Web Sphere.
* Generated detailed execution log both in XML and text format and integrated with CruiseControl.Net continuous integration system.
* Developed multiple build files for build automation in CruiseControl using Ant, MSBUILD.
* Utilized Nexus for dependency management for Maven as well as storing the Snapshot and Release Build binaries –WARs and EARs.
* Implemented new business unit repository system for hosting Maven, Gradle, and SBT artifacts.
* Managed Maven pom files and other scripts and repository management tools (Artifactory, Nexus).
* Authored custom build process templates in Team Build using C#, Workflow Foundation and MSBuild.
* Installed MSBuild community tasks to stop / start application pools remotely through build scripts using AppPoolController task.
* Project managed upgrades from Test Director to HPQC to ALM platform with minimal downtime and productivity loss.
* Supported software development and engineering efforts through careful and controlled testing as well as administration of testing platforms such as HP ALM and HP UFT.
* Responsible for assisting various business units with UAT script development and conversion into HP ALM format.
* Good experience in creating test cases using JUnit and SonarQube to measure code coverage, code standard compliance, code duplication and unit test results.
* Created of SonarQube dashboards for different team members based on their roles to monitor the progress of project source code.
* Created complex JIRA workflows including project workflows, screen schemes, permission scheme and notification schemes in JIRA.
* Configured and maintained multiple Jira instances on multiple servers for different uses and worked with departments in training on how to search and created tickets in Jira.
* Troubleshooted to resolve problems in an existing JIRA installation and implement all approved changes.

**DaVita Healthcare, Denver, CO Rational Tools Administrator**

**October 2011 - January 2014**

Responsible for actual packaging/deployment in production, QA, and shared development environments

* Designed, architecture & built Puppet Masters as configuration management tool, Jenkins for Continuous Integration, and Sensu Monitoring tool to replace Nagiosand monitor critical applications &servers health.
* Created an open source configuration management and automation PoV by evaluating Puppet in a cloud environment.
* Developed Puppet modules to automate deployment, configuration, and lifecycle management of key clusters.
* Deployed Puppet for configuration management to existing infrastructure.
* Designed, documented and implemented a variety of software tools in C# and PowerShell to maintain, improve and evolve the online documentation publishing system.
* Designed and implemented a series of PowerShell workflows and scripts.
* Accomplished tasks of working with SCM team and work with the migration of existing code repository from clearcase multisite to Team Foundation Server (TFS) 2013.
* Experienced in installing, managing Team Foundation Server (TFS) branching and Merging, artifacts configuring, migrating and applying patches of TFS 2008 and 2010.
* Configured and Administered Nexus Repository Manager and JfrogArtifactory.
* Installed and Configured the Nexus repository manager for sharing the artifacts within the company.
* Implementing Team Foundation Server (TFS) functionalities to manage, versioning the files and resources in the application.
* Experienced in updating, accessing and version controlling the source code using Visual Source Safe (VSS), Team Foundation Server (TFS), Subversion (SVN), and GIT.
* Installed Equifax certificates for .NET applications in IIS and configured security ports.
* Provisioned Server builds and configured IIS applications in new environment.
* Performed change impact analysis and estimation on code changes. Utilized VB.NET, ASP.NET, Visual Studio and SQL Server.
* Maintained backups and restore activities for Subversion (SVN), Jenkins.
* Configured Jenkins for doing the builds in all the non-production and production environments.
* Continuous Integration using Jenkins with SVN, GIT repositories and improving code quality using Sonar Cube.
* Maintained two Jenkins servers and one Bamboo server to deploy into production and non-production environments. Migrated Jenkins plans from one of the Jenkins to Bamboo.
* Created SSL pems and other certs using custom bash scripts and Linux command line tools.
* Used grunt for packaging, compressing and minifying the CSS and JS files.
* Used Grunt and webpack for build tool for configuring tasks.
* Created Hudson jobs for executing the JavaScript’s through Node Package Manager (npm) and Grunt.
* Expert at branching, tagging, merging and handling conflicts in Subversion (SVN)/GIT.
* Managed Subversion (SVN) branching and merging for older projects in multiple simultaneous releases.
* Designed Shell scripts for process automation of databases, applications, backup and scheduling.
* Integrated Maven with shell scripts created in Bash to automate the deployments for the Java based applications.
* Applied agile methodology to create multi-level visualizations with High charts and implement features for an enhanced user experience.
* Experience with configuration, maintenance, and client support of Open VPN server, TeamCity   
  Build Management server, and GitHub Enterprise server.
* Managed SonarQube to Setup the rules in SonarQube, establishment of ways of working with SonarQube.
* Enabled QA team to load developed software versions on demand with Rundeck automation.
* Used Rundeck for job scheduling and automation.
* Demonstrated expertise with data extract and query tools (SQL/Oracle).
* Performed code management activities using Git and responsible for code branching and merging.
* Created hooks and managed permissions on the branches for Git.
* Created multiple Perl scripts that retrieved data from the database using Oracle PL/SQL for displaying in reports.
* Wrote triggers in Perl scripts for handling and automating build and release activities.
* Wrote and modified MSBuild targets to publish to daily build location managed MSBuild scripts for .Net builds.
* Automated deployment and release distribution process with Shell, Perl and Anthill Pro. Experience in building, deploying and integrating Java-based web applications in a UNIX, including exposure to J2EE/.NET architecture using Maven and MSBuild.
* Automated Maven, Ant (Java, Flex code) with Visual Build pro and then fully integrating it in CruiseControl.
* Developed a strategy to streamline application deployment using custom MSBuild scripts, SQL Server Development Tools, MSDeploy and TeamCity.
* Responsible for the identification and leveraging of HP ALM advanced functionality to align more closely to industry standard quality assurance practices
* Responsible for loading and maintaining UAT test cycle requirements and test scripts in the HP ALM testing tool.
* Performed WebLogic Server administration tasks such as installation, configuration, monitoring and performance tuning.
* Experienced in trouble shooting, Configuring and Deploying Enterprise Applications in WebLogic and J BOSS/Tomcat Application Servers.
* Created, maintained and customized complex JIRA project configurations including workflows, custom fields, permissions and notifications.
* Built and deployed with project concurrency and complex version-control branching models.
* Analyzed an existing JIRA installation, provide formal proposals for improvements, and implement changes to realize greater efficiency, productivity, and reliability in a fast-paced product development environment.
* Added a task to remove old snapshots in Nexus several times a day.

**Pitney Bowes, Danbury, CT Build and Release Engineer**

**March 2009 - September 2011**

Supported and help troubleshoot production and QA deployments. Made recommendations on specific aspects of Build and Deployment and overall release process.

* Verifying that the methods used to create and recreate software builds are reliable and repeatable.
* Identify new tools/technologies that make Release, SCM process more efficient, reliable, and cost effective. Creating and configuring dynamic/snapshot views as per the requirements and writing configuration-spec for views to work with branches, labels.
* Major responsibility to ensure that capabilities are in place to allocate and design storage solutions rapidly and efficiently to meet individual Team Foundation Server (TFS) projects and initiatives. Also aligned closely with other key infrastructure managers and architecture teams to foster the principles of infrastructure as a service, to embrace information lifecycle and the principles of virtualization.
* Build automation to use with the continuous integration scenario for triggering a coordination with Team Foundation Server (TFS) Release Management.
* Implemented and manipulated Shell and Perl scripts for release and build automation to suit the requirement. Work items customization on primary level using Team Foundation Server (TFS) Power Toys.
* Developed reduplication Perl scripts to optimize search for data.
* Creating triggers for efficient access control of the Clear Case operations, to invoke operations before or after the execution of vital Clear Case events, to restrict or provide access to users.
* Automation developed new processes and applications to migrating towards continuous integration and agile development.
* Experience with centralized version control system such as SVN and distributed version control system such as Git.
* Administrated all aspects in Git and troubleshooted with merge conflicts.
* Providing on-going support and administration for Subversion (SVN), Clear Case, Clear Quest and ANT build automation.
* Worked with Development Team Leads and testing team to establish a build schedule, execute software builds in SVN/UCM Clear Case and troubleshoot build failures, if any.
* Installed & Configured the Jenkins to support various Java builds.
* Setup Build and deploy automation tools and Continuous Integration in Jenkins.
* Migration expertise in migrating applications / source from both Base Clear Case and non-Clear Case environments (Visual Source Safe, CVS) into Clear Case UCM.
* Document and publish complete migration process of Subversion (SVN) Admin dumps to UCM Clear Case (VOBS).
* Developed MSBuild scripts for auto build of .Net projects.
* Involved in tweaking Anthill Pro for migration automation and to maintain BOM (bill of materials).
* Built Version Controlled Java code on Clear Case Unified Change Management (UCM) Project Based code streams utilizing Visual Build Pro (VBP) ANT and Maven scripts for VGS’ Partners.
* Worked with IBM Support and development teams in resolving issues related to application memory leaks, analyzing java cores and heap dumps using Thread and Heap analyzer tools.
* Experience with defining and creating usable and customer friendly, intuitive interfaces to the JIRA tool in a fast paced evolving environment.
* Evaluated, Installed, and configured various JIRA plug-ins systems based on the requirement.

**REFERENCES: Available upon request.**