MAULIK

## DevOps Engineer

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**PROFESSIONAL SUMMARY:**

* Around 8 Years of professional experience in Software Configuration Management and Build and Release Engineering, which includes Project Setup, Build Automation, Continuous Integration, SCM process improvements
* Well experienced in GIT, IBM Rational Clear Case Multisite Admin & SVN
* Good understanding of the principles and best practices of Software Configuration Management (SCM) in Agile, Scrum, and Waterfall methodologies
* Had Experience in Administration/Maintenance of source control management systems, such as Sub Version (SVN), Perforce, TFS 2010/2013/2015, GIT
* Extensive experience in using Continuous Integration tools like Jenkins, Go CD and Hudson & also gained knowledge on Clear Quest (Bug Tracking tools)
* Had knowledge in creating and maintaining various DevOps related tools for the team such as provisioning scripts, deployment tools and staged virtual environments using Docker and Vagrant
* Championed in cloud provisioning tools such as Terraform and CloudFormation.
* Proficient in generating Cloud Formation Templates in AWS using Troposphere and CfnDsl.
* Had experience with building code from Ant, Maven, MS build scripts to the build deployment scripts on Apache Tomcat, IIS, Nginx, ATG dynamo & WebLogic server instances on Production, Testing, Stage, Development environment & worked on Rackspace cloud environment
* Experience leveraging TFS (Team Foundation Server) environments using Visual Studio, .NET, and Microsoft SQL Server
* Experience in managing automated multiple continuous integrated depot and branch builds on Bamboo, Hudson/Jenkins, Team City, Anthill Pro on a network server deploying web applications on IIS 7.5
* In-depth knowledge of computer applications and scripting like Shell, Python, Ruby, PowerShell, Perl, Groovy, JavaScript and XML
* Extensive experience with configuration management tools such as Chef, Puppet & similar deployment tools
* Expertise in Querying RDBMS such as Oracle, MY SQL and SQL Server by using PL/SQL for data integrity
* Had experience with servers IIS 7. 5 for administering ASP.Net applications
* Configured ASP.Net application running on Windows server 2008
* Hands-on experience to find Product bugs, issues helping Azure technologies to scale and evolve towards better customer experience and satisfaction
* Strong administration experience on LAMP (Linux, Apache, MySQL, and PHP) and developed web applications using PHP
* Ability in deploying the developed code in a Web Sphere, /Web Logic, Apache Tomcat/JBOSS, IIS 7.5
* Worked with different Bug tracking tools like JIRA, Fisheye, TFS 2010/2013/2015, Crucible & Clear Quest
* Extensive experience in all phases of Software Development Life Cycle with emphasis in Designing, Developing, Implementation, Deployment and Support of distributed enterprise scalable, secure, and transactional J2EE applications

**EDUCATION:**

* Bachelor’s in Information Technology from Anand University - 2013

**TECHNICAL SKILLS:**

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| **Version Control Tools** | TFS 2013/2015, GIT, REPO (Repo Management Tool) and SVN |
| **Continuous Integration Tools** | Jenkins, Hudson, Bamboo, TeamCity, Go CD |
| **Build Tools** | Ant, Maven, MS Build, Gradle |
| **Configuration Management Tools** | Puppet, Chef, Ansible, Docker |
| **Provisioning Tools:** | Terraform, CloudFormation. |
| **Operating Systems** | Windows Server-2000/2003/2008/2012, Linux, Unix, Solaris, Redhat |
| **Scripting Languages** | PowerShell, Perl, Groovy, Python |
| **Web Servers** | Apache Tomcat, IIS, Nginx |
| **Worked on Technologies** | VMware, SQL Server, ASP.Net, SonarQube, Java, AWS, Azure, MuleSoft, Salesforce, Splunk |

**PROFESSIONAL EXPERIENCE:**

**Hearth And Home Technologies, Lake City MN *May’19 to till date***

**Role: TFS Admin/Build and Release/DevOps Engineer**

* Experience in TFS Command line and PowerShell for automation
* Hands on experience in Version Control concepts and technologies like TFVC, GIT and Subversion
* Developed Team Project setup for new projects and automating build process
* Had knowledge of desired State Configuration technologies such Puppet and Docker
* Worked as deployment support to all Testing and Production environments by creating customized Team Foundation builds using custom targets
* Had knowledge on SQL Server Management Studio (SSMS), SQL Server Integration Services (SSIS), SQL Server Reporting Services (SSRS).
* Responsible for implementing monitoring solutions in Ansible, Terraform, Docker, and Jenkins.
* Collaborated with Development and Support teams to setup a Continuous Delivery environment with the use of Jenkins, continuous build, and delivery tools.
* Automate Datadog Dashboards with the stack through Terraform Scripts.
* Automated the implementation of launching EMR cluster on AWS using Cloud formation templates generated by troposphere dsl and Bamboo to launch Cloud formation stacks to crate clusters.
* Implemented automated way to create S3 buckets in AWS using troposphere and cloudformation templates.
* Helped data team to migrate SQL server 2008 to higher versions SQL server 2012
* Monitored SQL server 2012 by conducting health checks, disaster recovery, performance tuning and database administration.
* Created and maintained scripts in PowerShell and Bash to automate repetitive tasks in build process
* Managed deployment & Migration logs for releases and data accuracy
* Automated deployments to Linux, Windows servers using Shell and PowerShell scripts
* Worked on Code Merge between different branches and resolving merge conflicts.
* Had knowledge in principles of continuous integration and the Software Development Lifecycle (SDLC). Also familiar with NuGet packages (ProGet repository)
* Configured Jenkins in all environments and troubleshoot the issues raised in Jenkins while using for continuous integration and deployment
* Integrated GIT into Jenkins to automate the code check-out process and utilized many Jenkins plugins
* Integrated Jenkins with various DevOps tools such as Nexus, SonarQube and Puppet and Implemented the master slave architecture to improve the performance of Jenkins
* Created job chains with Jenkins Job Builder, Parameterized Triggers, and target host deployments and maintained build results for each job set alerts if the job fails to trigger
* Worked with NetOps to create new Webservers: IIS/Windows application installation
* Hands on experience on all Visuals DevOps tools – VSTS, Build vNext, RMO, Package deployment
* Worked as TFS Management and TFS Admin and perform following activities. TFS Configuration, Branching and Merging, Resolve conflict, Push changes to TFS branches etc.,
* Worked on different features in Visual Studio: Code labeling, Upgrade TFS to newer version, Backup Restore of TFS, enforcing policies, TFS Health Monitoring, Code deployment to environments, Build script modification, Server Monitoring
* Had experience with Agile methodologies like Scrum, Kanban, Experience with Java & .NET build systems
* Create Jenkins pipeline jobs for Puppet release process for module deployment, using agile methodology for puppet development
* Automation of OS builds and Application Installation through Puppet & Chef and manage Linux VMs using puppet as per some project’s requirement, creating modules, manifests, and roles on puppet
* Created a custom puppet module structure to use same structure across all puppet modules
* Investigated failures and coordinate failure analysis using deployment logs
* Worked closely with the Development, Architecture, QA, and Infrastructure teams to ensure that any applicable environment issues are resolved in advance of production implementation
* Worked in a dynamic team-oriented environment using agile methodologies and support Agile development tools
* Automated the build and release tasks by writing scripts in bash, python, and PowerShell
* Created puppet manifests and modules to automate system operations
* Conceived, designed, installed, and implemented Puppet configuration management system
* Coordinated with Data team for SQL deployments during production release
* Using ANT, Puppet Scripts with Ivy to build the application and deploy to servers
* Created and updated Puppet manifests and modules, files, and packages stored in the GIT repository
* As a TFS admin, helped team for security related issues in TFS. Also, worked on service desk tickets
* Hand on experience in PowerShell, azure deployment using PowerShell
* Developed CI/CD process for Salesforce and MuleSoft projects
* Had Knowledge in Splunk analysis
* Had knowledge in development/implementation of Cassandra environment and good understanding of Cassandra Data Modelling based on applications
* Improved current implementations of continuous integration, automated test lab, automated builds, and automated deployments

**Environment:** Visual Studio Online, TFS On-Premises, TFS 2013/2015, Jenkins, Ant, Maven, Java, Groovy, GIT, Splunk, PowerShell, MS Build, Windows Server-2003/2008/2012, C#, ASP.Net, PHP, LAMP, SQL server 2008/2012, IIS 7.5, Salesforce, Azure, MuleSoft, Docker, Puppet.

**Penn Mutual, Horsham, PA *Mar’17 to Apr’19***

**Role: DevOps Engineer**

* Managed & documented the Project Plans as per the Customer Requirements
* Designed and Developed Jenkins Build deployments
* Designed ASP.Net Web Forms using C#, User Interface with HTML and Cascading Style Sheets (CSS)
* Managed Nexus Maven repositories to download the artifacts during the build
* Create and maintain highly scalable and fault tolerant multi-tier AWS and Azure environments spanning across multiple availability zones using Terraform and CloudFormation.
* Write terraform scripts from scratch for building Dev, Staging, Prod and DR environments.
* Good in provisioning and deployment tools like Puppet & Ansible
* Configured webcomic file in ASP.Net application running on Windows server 2008
* Suggested improvement processes for screens, workflow procedures and reports of applications in JIRA
* Conducted analysis and evaluation of existing systems to upgrade latest versions of JIRA
* Expertise in managing Open stack Control Plane with automated deployments/rollouts using Puppet manifests/modules
* Deployed the build artifacts into environments like QA, UAT& Production according to the build life cycle
* Worked with CM tools such as Chef, Puppet for deploying, managing & configuring on a server machine
* Worked with deployment tools like Apache Tomcat, ATG Dynamo
* Configured ASP.Net applications security & Data Source settings to work with IIS server environment
* Implemented ATG Personalization in mobile site and integrating with ATG Ecommerce
* Hands-on experience associating bugs, tasks, and requirements to the code using TFS
* Build ASP.Net website & created web pages using server IIS 7.5
* Installed Jira and confluence on Tomcat server
* Completing software builds and elevations, creating directories and security groups, and recreating prior versions. Monitored software, hardware, and/or middleware updates and utilizing technologies like Jenkins/Hudson, Ant, MS Build, and Subversion
* Configured and maintained Jenkins to implement the CI process and integrated the tool with Ant and Maven to schedule the builds
* Handled operations and maintenance support for AWS cloud resources which includes EC2, VPC, AMI, RDS, SES, S3, Route 53, IAM, LDAP, Cloud Formation, Cloud Front and Cloud Watch
* Used Cloud Watch for monitoring AWS cloud resources and the applications that deployed on AWS by creating new alarm, enable notification service
* Configured Apache webserver in the Linux AWS Cloud environment using Puppet automation
* Had experience in production installation and configuration of ATG sites and management applications.
* Designed and developed ATG repository components for user profiles
* Installation and configuration of CM related software in UNIX and Windows environments, using UNIX commands and Windows Navigation
* Team activities other than work related, in the process of Initiation and encouragement were done.

**Environment:** Rational Clear Case, Rational Clear Quest, TFS 2010/2013, Jenkins, Hudson, Maven, GIT, JIRA, SQL, J2EE, Chef, Puppet, Open stack, Ansible, Shell, Perl, LAMP, ANT, Cruise Control, Anthill-Pro, UNIX, Windows NT/2000 and WebSphere, Windows server 2008, C#, ASP.Net, PHP, IIS 7.5, Apache Tomcat, ATG Dynamo.

**Johnson and Johnson, New Jersey *Nov’14 to Apr’17***

**Role: DevOps Engineer**

* Coordinated with the Development, Database Administration, QA, and IT Operations teams to ensure there are no resource conflicts
* Had good experience development with Ruby on Rails
* Worked closely with Project Managers to understand a code/configuration release scope and how to confirm a release was successful
* Had experience in Web API (ASP.Net), MVC, WCF & CSS
* 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 such as Chef, Puppet & Ansible
* Good experience with CI (Continuous Integration) and CD (Continuous Deployment) methodologies using Jenkins/Hudson and Team City to implement the End-To-End automation
* Installed, configured and Administrated of all UNIX/LINUX servers, includes the design and selection of relevant hardware to Support the installation/upgrades of Red Hat (5/6), CentOS 5/6, Ubuntu operating systems
* Coordinated, troubleshot, and created technical documentation in building Unix/Linux platforms for different applications
* Configured &Implemented Continuous Integration using Jenkins
* Had Knowledge on Cloud computing infrastructure such as AWS EC2, API design & Web services development & Conducting Cost Optimization Audit for Clients AWS account to handle AWS infrastructure
* Implement best practices and optimize the Cloud environments
* Collaborated with Development and Support teams to setup a CD (Continuous Delivery) environment with the use of Docker and continuous build and delivery tools
* MySQL backups and slave replication & Web Server configurations (Apache, Nginx)
* Worked with Docker for convenient environment setup the test environments
* Implemented Docker to create containers for Tomcat Servers, Jenkins
* Developed scripts to monitor availability of services in Openstack Control Plane
* Converted .Net application to Microsoft Azure Cloud Service Project as part of cloud deployment & Migrated SQL Server 2008 database to Windows Azure SQL Database and updated the Connection Strings
* Proficient in providing support on the deployed Red Hat Enterprise Linux & Sun Solaris servers from both operating system level and application Level
* Gathered Client requirements and converting them into the Technical Specifications and developed Web forms using C#.NET & developed .aspx pages using C#
* Created accounts, merging, branching, patch fixes, in Perforce version control system
* Integrated Maven with Jenkins for the builds as the Continuous Integration process
* Used external modules in the Subversion and educated users working with SVN
* Configured plugins for the integration tools to the version control tools
* Worked as an Admin remotely to support on-site engineers and end users/customers during installation & troubleshooting and fault finding if issues occur on installation
* For check in process used Tortoise SVN as a Version Control tool
* Responsible for writing Hooks and Triggers using Perl & built Java apps using ANT.
* Experience with version control, branches, pull requests, branch policies, and automated build processes in TFS 2013/2015
* Designed and deployed dynamically scalable, highly available & reliable applications on AWS by selecting appropriate AWS services based on given requirements
* Installed, configured, and administered application servers like Oracle/BEA WebLogic Server 10.3/11g, Apache Tomcat and JBoss, web servers like Apache 2.0/2.2, IIS and MySQL Databases in various environments like Development, QA, and Production on Linux and Windows Operating Systems
* Created branching & tagging strategy to maintain the source code in the GIT repository
* Developed and maintained Perl/Shell scripts for build and release tasks
* Strong in Maven & Ant w.r.t builds
* Experienced in planning and development of designs for server migration from physical to AWS cloud
* Experienced in designing and developing automation and other IT Process Automation capabilities with the AWS platform
* Hands on experience in migrating Business from On-premises infrastructure environment to AWS
* Experienced in setting up EC2 instances, security groups and Setting up databases in AWS using S3 bucket and configuring instance backups to S3 bucket.
* Have experience with AWS LAMBDA which runs the code with response of events
* Launching Amazon EC2 Cloud Instances using Amazon Web Services (Linux/Cent OS/Ubuntu/RHEL) and Configuring launched instances with respect to specific applications
* Branching and merging code lines in the GIT and resolved all the conflicts raised during the merges.
* Used Model View Controller (MVC) design pattern to develop a complex web application, ASP.NET with C# & Developed user interface screens under VisualStudio.NET 2012 using ASP.NET and C#
* Prepared projects, dashboards, reports and questions for all JIRA related services
* Responded to all incoming questions and inquiries related to JIRA applications
* Generated scripts for effective integration of JIRA applications with other tools
* Planed and developed automated modules for puppet infrastructure, infrastructure maintenance, installation, and deployment automation
* Experience in developing puppet modules for installation, configuration, and continuous integration (CI) using combination of puppet master, git and Jenkins/Udeploy and created various puppet manifests files with Hiera and customized functions and defined resources

**Environment:** Perl Scripting, Shell Scripting, AWS, Subversion, Perforce, Hudson, JIRA, Bamboo, GIT, Quality Centre, Docker, Visual Build, C#, .Net, ANT, TFS 2010/2010 (Team Foundation Server), Jenkins, J2EE, JBoss, Chef, Puppet, LAMP, Openstack, WebSphere, IIS 7.5, PHP, ASP.Net, Windows server 2008, IIS, Apache Tomcat and JBoss, SQL, Azure, Oracle/BEA WebLogic Server 10.3/11g, Unix/Linux, Red Hat.

**Amity soft Technologies - India *Feb’13 to Oct’14***

**Role: Build and Release Engineer**

* Provided configuration management expertise to all software development projects
* Managed Nexus Maven repositories to download the artifacts during the build
* Coordinated with Project Managers to develop the SCM Plans and Tool Usage Models
* Designed and supported Subversion Branching models based on the project’s requirements
* Involved in the Branching Strategy, thereby creating different branches in the existing workflow process
* Successfully administrated SubVersion and Jenkins
* Automated deployment of builds to different environments using Jenkins
* Resolved merging issues during build and release by conducting meetings with developers and managers
* Deployed the build artifacts into environments like QA, UAT & Production according to the build life cycle
* Extensively used ANT tool to do the builds, integrated ANT to Eclipse and did local builds
* Documented release, builds and source control procedures and plans

**Environment:** Clear Case, Clear Quest, Windows, UNIX, Solaris 10, SQL, Shell, Java, Ant, Jenkins, Maven, Smart SVN, WebSphere Application Server (WAS), Web Logic, Hudson, Quality Centre, Oracle 10g.Subversion, Perforce, Clear Case, Ant, Jenkins, Hudson, Web Sphere Application Server (WAS), Web services, Web Logic, Perl Scripting, LAMP, Quality Centre, Oracle 10g, Visual Build, DotNet, ANT, J2EE.