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**Summary of Qualifications**

Over 8 years of Software Design, Development, Implementation and providing cloud solutions which includes Configuration Management, Continuous Integration and Continuous Deployment(CI/CD), Release Management and to implement Infrastructure as a Service (IAAS). Significant experience in**DevOps, AWS, Jenkins, Docker, Ansible, Maven, Git,** and more.

**Technical Skills**

Technologies/Tools:AWS, Microsoft Azure, Ant, Maven, Hudson, Bamboo, Code Deploy, PowerShell, Python, PHP, Bash, Chef, Puppet, Ansible, Docker, AWS OPS Works, VMware, Vagrant, Subversion, SVN, Git, GitHub, Perforce, Code Commit, Apache, Tomcat, WebSphere, Nix, Jenkins, HTML, CSS, JavaScript, jQuery, Ruby, Bootstrap, XML, JSON, XSD, XSL, XPath, Jira, Remedy, Microsoft Project, Visio, Agile, Scrum

Computer Systems: Windows, Linux, Redhat, Ubuntu

Databases: SQL, DB2, MySQL, Oracle. IBM DB2/UDB, Teradata, SQL Server

**Professional Experience**

**AWS\_Cloud Engineer**, US Department of Veterans Affairs, Salt Lake City, UT. Sept 2015 – Present

GIT, Jenkins, Python, Puppet, Maven, AWS, EC2, WebSphere, Ant, Putty, Confluence, SOA, Ansible, Dockers.

* Created the automated build and deployment process for application, re-engineering setup for better user experience, and leading up to building a continuous integration system for all our products.
* Implemented AWS solutions using EC2, S3, RDS, EBS, Elastic Load Balancer, and Auto-scaling groups, Optimized volumes and EC2 instances.
* Optimized volumes and EC2 instances.
* Created multi Availability Zone VPC instances.
* Used IAM to create new accounts, roles and groups and polices.
* Configured S3 versioning and lifecycle policies to and backup files and archive files in Glacier.
* Configured Elastic Load Balancers (ELB) with EC2 Auto-scaling groups.
* Created monitors, alarms and notifications for EC2 hosts using CloudWatch.
* Installed, Configured and Administered Jenkins Continuous Integration Tool.
* Using Jenkins AWS CodeDeploy plugin to deploy to AWS.
* Responsible for code build, release and configuration on Amazon EC2.
* Perform Deployment of Release to various QA & UAT in Linux environments.
* Troubleshoot the build issue during the Jenkins build process.
* Developed build and deployment scripts using ANT and MAVEN as build tools in Jenkins to move from one environment to other environments.
* Performed Branching, Tagging, Release Activities on Version Control Tools: SVN, GIT.
* Worked on Managing the Private Cloud Environment using Chef.
* Managed Chef Cookbooks to automate system operations.
* AWS Cloud management using Chef Automation.
* Automated the cloud deployments using chef, python and AWS Cloud Formation Templates.
* Developed Perl and shell scripts for automation of the build and release process, developed Custom Scripts to monitor repositories, Server storage.
* Automated the cloud deployments using chef, python (boto & fabric) and AWS Cloud Formation Templates.
* Used Maven as build tool on Java projects for the development of build artifacts on the source code.
* Implemented rapid provisioning and life cycle management for Ubuntu Linux using Amazon EC2, Chef, and custom Ruby/Bash scripts.
* Deployed the Java applications into web application servers like JBoss.
* Performed and deployed Builds for various Environments like QA, Integration, UAT and Productions Environments.
* Worked on the cloud-based diagramming software called Gliffy for creating different types of design documents required for the continuous integration process.
* Worked on configuring the Jenkins to use MetaCase Software to build Java code and also to do the whole C.I process on the java code generated by MetaCase.
* Extensively worked on Hudson and Jenkins for continuous integration and for End-to-End automation for all Build and deployments.
* Experience in Implementation and administration of Continuous Integration process using Jenkins.
* Troubleshoot and resolved Build failures due to infrastructure issues reduced by 95% stabilizing the build process. Setup and executed process to code review system effectively.
* Responsible for defining branching & merging strategy, checkin policies, improving code quality, automated Gated Checkins, defining backup and archival plans.
* Troubleshoot Build and Deployment Issues, with little downtime.
* Organized and Coordinated Product Releases, work closely with product development, QA, Support across global locations to ensure successful releases.
* Documented release metrics, software configuration process. Used Maven scripts to build the source code. Supported and helped to create Dynamic Views and Snapshot views for end users.
* Work with the QA Team to design Test procedures, create test suite, and execute automated scripts.
* Experience in Testing methodologies, and Traceability matrix.
* Extensively use Quality Center to write Test Cases, and for reporting the defect. All the Scripts are maintained using QC.
* Experience in defect reports, and communicate issues to business, engineering, and management using JIRA.
* Experience in Security Testing, Compatibility Testing, UI Testing, Network Testing, Interrupt Testing, Functional Testing, Usability Testing, Installation Testing, and Certification Testing on different Mobile phones with different Versions of Operating systems.
* Experience on Groovy Scripts for Web Service API Testing. Created test scripts using Groovy script to automate web services in SOAP UI.

**AWS\_Cloud Engineer**, GE-Michigan March 2014 – August 2015

GIT, Jenkins, Python, Puppet, Maven, AWS, EC2, WebSphere, Ant, Putty, Confluence, SOA, Ansible, Dockers.

* Member of the Technical Design team, Build and Release Module for Development of new products.
* Worked for DevOps Platform team responsible for specialization areas related to Chef for Cloud Automation.
* Technical leader to align processes and tools, such as branching, source control structure, dependency management, Linux\Windows hybrid build infrastructure, code review, and check-in policies, that are developed and instrumented by DevOps teams across projects globally.
* Managed Ubuntu Linux and Windows virtual servers on AWS EC2 using Puppet.
* Experienced with working on Puppet Master and Puppet Agents. Defined Puppet Master and Puppet Agents to manage and configure nodes.
* Designed and deployed AWS solutions using E2C, S3, RDS, EBS, Elastic Load Balancer, Auto scaling groups, Opsworks.
* Optimized volumes and EC2 instances & Created multi AZ VPC instances.
* Used IAM to create new accounts, roles and groups.
* Configured S3 versioning and lifecycle policies to and backup files and archive files in Glacier.
* Deployed cloud stack using AWS OpWorks.
* Configured Elastic Load Balancers with EC2 Autoscaling groups.
* Configured and monitored distributed and multi-platform servers using Nagios.
* Supported 2000+ AWS Cloud instance’s and also familiar with Amazon Cloud command line management.
* Worked on User administration setup, maintaining account, Monitor system performance using Nagios and Tivoli.
* Encrypted EBS volumes via KMS service.
* Created monitors, alarms and notifications for EC2 hosts using Cloudwatch.
* Set up Elasticache using memcached.
* Migrated applications to the AWS cloud.
* Provided stable build environments for product development.
* Actively involved in architecture of DevOps platform and cloud solutions.
* Developed installer scripts using Ant, Python, UNIX for various products to be hosted on Application Servers.
* Used chef for server provisioning and infrastructure automation in different environments.
* Set up CI (Continuous Integration) for major releases in Jenkins and TeamCity.
* Integration of Automated Build with Deployment Pipeline. Currently installed Chef Server and clients to pick up the Build from Jenkins repository and deploy in target environments (Integration, QA, and Production).
* Implemented and building tools such as Ant/Maven in order to automate and enhance the overall operational environment.
* Worked on Cloud automation using AWS Cloud Formation templates.
* Implemented Chef Recipes for Deployment on build on internal Data Centre Servers. Also re-used and modified same Chef Recipes to create a Deployment directly into Amazon EC2 instances.
* Implemented scheduled downtime for non-prod servers for optimizing AWS pricing.
* Integrated various provisioning and monitoring modules into a single platform using Jenkins/Hudson CI tools.
* Maintaining a farm of EC2 instances, ELB’s and RDS.
* Troubleshoot issues along the CI/CD pipelines.
* Evaluated testing of Chef Recipes – Concept of Test Driven Development for Infrastructure as a Code.
* Implemented Chef Cookbooks for OS component configuration to keep AWS server’s template minimal.
* Written Chef Cookbooks for various DB configurations to modularize and optimize end product configuration.
* Developed Custom Scripts to monitor repositories, Server storage.
* Managed central repositories: Implemented Atlassian Stash along with GIT to host GIT central repositories for source code across products, facilitate code reviews and login audits for Security Compliance.
* Automated deployment of builds to different environments using Jenkins/Hudson CI tools.
* Designed and implemented the backup strategy for all the critical systems such as build machines, bug tracking tools, central repositories etc.
* Worked on administering the METACASE client-server architecture domain specific modeling software.
* Documented all build and release process related items. Level one support for all the build and deploy issues encounter during the build process.

**DevOps Engineer**, Texas Educational Agency August 2012 – February 2014

WebSphere, Perl Scripts, Shell Scripts, XML, Ant, Chef, Maven, Tortoise SVN, JIRA, Ruby, Jenkins, Java/J2EE, Oracle, UNIX

* Defined and Implemented CM and Release Management Processes, Policies and Procedures.
* Hands-on development experience and a strong passion for the LAMP (Linux, Apache, and MySQL& PHP) development stack.
* Created EC2 instances in AWS. Also worked with Aws concepts like IAM, S3, and Cloud watch. Used Chef for deploying applications and on experience with Ruby.
* Involved in migration activities of Java scripts and Database scripts from Oracle, MS SQL Server and MY SQL into different environments like Development, QA.
* Build, manage, and continuously improved the build infrastructure for global software development.
* Participating in design, code, and test inspections throughout the life cycle to identify issues/defects; participate in other meetings.
* Familiar with Git hub admin tasks like creating users, providing access to them and maintained source repositories. Managed Maven project.
* Experience with IT automation tools like Chef, Puppet.
* Developed and implemented an agile SDLC and refinement of the Software Configuration Management (SCM) infrastructure.
* Worked in development, testing, and production environment using SQL, PL/SQL procedure, python, Ruby, PowerShell and shell scripts and managed to host the servers like Tomcat, apache and NGINX.
* Created EC2 instances in VPC and installed applications. Expertise in Identity Access Management. Created users, groups and assigned roles based on their duties.
* Maintained good support for development team from Intermediate to advanced level in ASP.NET MVC and ASP.NET Web API.
* Managed Nexus repository for the current project created a new repository and provisioned it. Have hands on experience with Bitbucket server.
* Provided the assistance for the smooth phase of Release for the Emergency and Expedite Releases by getting the Director Level Approval and coordinating with different teams.
* Configured Workflows created new Jobs and modified existing projects to automate.
* Experienced in the Design/Architecture of AWS and hybrid cloud solutions.
* Scheduled the Linux Cron jobs and Jenkins jobs for build automation.
* Configuration Management and source code repository management using tools like GIT, Subversion (SVN), Clear Case JIRA and CI tools like Jenkins.

**DevOps Engineer**, UBS Singapore February 2011 – July 2012

Confluence, Jira, Subversion, ClearCase, Quality Center

* Project Name: GTIS DDS (Global Technology Infrastructure Support- Developer Deployment services) - UBS-Investment Bank.
* Provided day-to-day support/Admin activities of Build and Release/Configuration Management tools used in UBS IB.
* Provided and supported SCM infrastructure on Windows/Unix/Linux platforms, including coordination with IT department, troubleshooting and testing.
* Provided day-to-day support/Admin activities of File Transfers services. This includes configuration, troubleshoot and analysis.
* Performed schedule change activities in coordination with different teams like DB, UNIX, Wintel etc.
* Provided technical assistance for work administration of users and L1 team, related modifications and archival of projects.
* Implemented Change requests and do sanity test.
* Troubleshoot issues escalated by Level 1 team and fixed them.
* Performed admin activities of Confluence, Jira, Subversion, ClearCase and Quality Center.
* Performed release cycle for various applications.

**Java/J2EE Developer**, Bell Canada Nexus-CGI India February 2009 – January 2011

**Responsibilities:**

* Involved in the complete Software Development Life Cycle **(SDLC)** including Requirement Analysis, Design, Implementation, Testing and Maintenance.
* Involved in check in java versioning into **SCM** repository.
* Used **UML modeling** diagrams to describe the structure and behavior of the system.
* Utilized **pair programming** approach to ensure high quality code.
* Applied design patterns including **MVC** Pattern, **Façade Pattern**, **Abstract FactoryPattern**, **DAO Pattern** and **Singleton**.
* Developed **Java Classes** for implementation of **Persistence of objects** and Caching of Data using **JDBC**.
* Used **JSP, JS, JQuery, Servlets, EJB, CSS, Struts.**
* Developed user interfaces using **JSPs, Struts, HTML, CSS, JavaScript, JSP Custom Tags**.
* Used Connection Pooling to get **JDBCconnection** and **accessdatabase** procedures.
* Installed and Created Database, Tables, Views, index**, ER Diagram, SQL, PL/SQL**, Stored procedure, package, function, Trigger to populate and maintain the **MS SQL Server 2008, MySQL.**
* Involved in **Unit Testing, Integration Testing**, and **System Testing**, used **JUnit** framework.
* Converted the mock-ups into hand-written **HTML, CSS 2, XHTML, JavaScript, JQUERY, AJAX, XML and JSON.**
* Handling cross browser/platform compatibility issues (**IE, Firefox, and Safari, chrome**) on both Windows.
* Deployed the application in **JBoss** Application Server.
* Used **SVN** for version control and **Log4J** to store log messages.

**Environment:** Java 1.5, J2EE, JSP, Struts, JavaScript, **JBoss**, AJAX, HTML, CSS, JDBC, Eclipse, Restful Web Services, AngularJS, WSDL, Windows, JSF, SOA, JSON, Design patterns, JUnit, JQuery, SOAP.

**Education and Training**

Masters of Science in Information Systems from Stevens Henager College.

Bachelor of Engineering in Electronic’s & Communication Engineering from Madras University.