

Jessica Claire

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PROFESSIONAL SUMMARY

- Dynamic DevOps engineer skilled at developing complex solutions possessing strong creative thinking skills, high energy and integrity. DevOps Engineer with expertise in all aspects of the software development life cycle, including requirements analysis, design, development and production support.

WORK HISTORY

DEVOPS ENGINEER

04/2016 to CURRENT

Bae Systems | Aiken, SC

- 6 years of experience as a Build and Release DevOps Engineer in automating, building, deploying, and releasing of code from one environment to other environment.
- Experience in working on source control tools like Tortoise SVN, CVS, IBM Clearcase, Perforce, Stash and PVCS.
- Hands-on experience in installing and administrating CI tools like Hudson/Jenkins & Subversion.
- Performed DevOps for Linux, Mac and Windows platform.
- Develop Python scripts for software build conduct and management support.
- Conduct systems design, feasibility and cost studies and recommend cost-effective cloud solutions such as Amazon Web Services (AWS).
- Working experience with DevOps practices in application technology including continuous integration and delivery processes using Jenkins, Bamboo, CruiseControl, Ansible, Chef or Puppet.
- Expert level knowledge on Amazon EC2 and Amazon S3.
- Experience in running web scale services on Amazon Web Services (AWS).
- Experience in Cassandra Database configurations.
- Designed and implemented a Cassandra no SQL based database.
- Associated RESTful web service that persists high -volume user profile data for vertical teams using Cassandra no SQL.
- Experience in Continuous Integration System which includes automated testing.
- Having a knowledge on Administering Continuous Integration (CI).
- Hands-on experience on Ansible and Ansible Tower as Configuration management tool, to automate repetitive tasks, quickly deploys critical applications, and proactively manages change.
- Experience in development and configuration experience with software provisioning tools like Chef, Puppet.
- Created various modules and manifests in Puppet.
- Experience of Jenkins/Hudson, VS Build Pro, Apache Ant, Apache Tomcat, Subversion, Git, Maven.
- Installed and configured an automated tool Puppet that included the installation and configuration of the Puppet master, agent nodes and an admin control workstation.
- In-depth understanding of the principles and best practices of Software Configuration Management (SCM).
- Expertise in writing Puppet's DML (Declarative Modeling Language) scripts and helped declare and the documented each system's state for future references.
- Responsible for the implementation, administration and maintenance of REDHAT Enterprise Linux.
- Installed and configured RED HAT Enterprise Linux 5.
- Extensive experience using MAVEN and ANT as build tools for the building of deployable artifacts (jar, war & ear) from source code.
- Monitored Servers and Linux Scripts regularly and performed.
- Extensively worked on Hudson, Jenkins, TeamCity and Bamboo for continuous integration and for End to End automation for all build and deployments and extensive experience with Version Control Tools like Rational Clear Case, Rational Team Concert (RTC).
- Build Puppet Manifests and also developed Puppet modules to automate deployment.
- Created Custom Puppet modules for bootstrapping new servers with required application dependencies and packages.
- Strong knowledge on source controller concepts like Branches, Merges and Tags.
- Worked with Engineers, QA, business and other teams to ensure automated test efforts are tightly integrated with the build system and in fixing the errors while doing the deployment and building.
- Exposed to all aspects of software development life cycle (SDLC) such as Analysis, Planning, Developing, Testing, and Implementing and Post-production analysis of the projects.
- Expert in deploying the code through web application servers like WebSphere/Web Logic/Apache Tomcat/JBOSS.
- Ability in development and execution of XML, Ruby, Shell Scripts and Perl Scripts, Powershell, Batch scripts and Bash also.
- Efficiently working closely with teams to ensure high quality and timely delivery of builds and releases.
- Having good Experience in DevOps tools like Chef and Puppet for Deployment on Multiple platforms.
- Automated application deployment in the cloud using Docker technology using Elastic Container Service scheduler.
- Created and managed a Docker deployment pipeline for custom application images in the cloud using Jenkins.
- Maintained and managed nomad and consul key value storage for micro service architecture using Docker for services.
- Basic understanding of Hardware RAID & Vagrant.
- Working knowledge of IBM WebSphere MQ. Excellent experience in documenting and automating the build and release process.
- Ability in managing all aspects of the software re-configuration management process including code compilation, packaging/deployment/ release methodology, and application configurations.
- Expertise in Querying DBMS such as Oracle, MySQL and SQL Server by using SQL for data integrity.
- Experience in using Bug tracking tools like JIRA, Remedy, HP Quality Center and IBM ClearQuest, Mingle.
- Excellent communicative, interpersonal, intuitive, analysis and leadership skills with the ability to work effectively in both independent and team work environments.
- Proficient in tracing complex build problems, release issues and environment issues in a multi-component environment.
- Wrote maintainable and extensible code in a team environment.
- Implemented designs, including experimentation and multiple iterations.
- Modified existing software to correct errors, upgrade interfaces and improve performance.
- Interacted with business analysts, developers and technical support to determine the best requirement specifications.
- Worked closely with other team members to plan, design and develop robust solutions in a timely manner.

DEVOPS ENGINEER

08/2014 to 03/2016

Bae Systems | Quantico, VA

- Worked with the fast pace of Agile Development team building software systems Coordinated with Architects, Systems, Network, Software & QA Engineers, to continuously improve the reliability and efficiency of Build and Deployment processes to support every phase of development including production releases Responsible in understanding of the interdependencies and structure of systems and implement this knowledge to improve the build and release processes which allow rapidly evolving product offerings Improved continuous integration environment, monitored builds, maintained configuration & automated processes Managing Amazon Web Services (AWS) infrastructure with automation and configuration management tools such as Ansible, Puppet, or custom-built.
- Designing cloud-hosted solutions, specific AWS product suite experience.
- Experience using Ansible Tower, which provides an easy-to-use dashboard, and role-based access control, so that it's easier to allow individual teams access to use Ansible for their deployments.
- Handled the development of reporting metrics and to provide reports to Management on different levels of statistics Worked with Source Control Tools such as GIT, Stash, Sub version Worked on requests for adhoc deployment for a particular environment and use the adhocdeploy plan in bamboo Experience in migration of consumer data from one production server to another production server over the network with the help of Bash and Perl scripting.
- Installed/Configured Managed Puppet Master/Agent.
- Wrote custom Modules and Manifests, downloaded pre-written modules from puppet-forge.
- Upgradation or Migration of Puppet Community and Enterprise.
- Deploy and monitor scalable infrastructure on Amazon web services (AWS) & configuration management using puppet.
- Worked on ENV property files management involved in ENV property files promotion to the SCRUM environments Configured Red Hat Kickstart for installing multiple production servers.
- Installation, Configuration and administration of VMware.
- Installed and configured monitoring tools Nagios for monitoring the network bandwidth and the hard drives status.
- Experience in writing shell scripts for administration tasks in MQ.
- Monitored various MQ objects in ActiveMQ Managed Code Repository by administering database baseline, improved practices of branching and code merge Used ANT & MAVEN build tools in Jenkins to build scripts and move from one environment to other Used Perl & Shell scripts to automate build & release process; managed Maven project dependencies Built & deployed Java/J2EE to Web App Server in Agile continuous integration environment and automated process.
- Good knowledge on Cassandra (No SQL Database) Integrated JIRA with Stash and created automated release notes using Perl scripts Used JIRA to track bug issues and change management Environment.
- Experienced in using Bug tracking tools like JIRA, Remedy, HP Quality Center and IBM ClearQuest, Mingle.
- Excellent communicative, interpersonal, intuitive, analysis and leadership skills with the ability to work effectively in both independent and team work environments.
- Proficient in tracing complex build problems, release issues and environment issues in a multi-component environment.
- Wrote maintainable and extensible code in a team environment.
- Implemented designs, including experimentation and multiple iterations.
- Modified existing software to correct errors, upgrade interfaces and improve performance.
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DEVOPS ENGINEER

03/2012 to 06/2014

Bae Systems | Fort Belvoir, VA

- Release Engineer for a team that involved different development teams and multiple simultaneous software releases.
- Designing and implementing for fully automated server build management, monitoring and deployment By Using DevOps Technologies like Puppet.
- Responsible for design and maintenance of the Subversion/GIT, Stash Repositories, views, and the access control strategies.
- Conducted pre-sales technical support services for directing sales force of windows Azure applications.
- Deployed DevOps using Puppet, Dashboard, and Puppet DB for configuration management to existing infrastructure.
- Involved in leading Automation Deployment Team by working with Puppet.
- Imported and managed multiple corporate applications into Tortoise SVN and Implemented the setup for Master slave architecture to improve the Performance Automated SQL Scripts.
- Development, Quality Assurance and Management teams to ensure cross communication and confirmed approval of all production changes.
- Provided end-user training for all Tortoise SVN, JIR users to effectively use the tool.
- Build scripts using ANT and MAVEN build tools in Jenkins to move from one environment to other environments.
- Deployed J2EE applications to Application servers in an Agile continuous integration environment and also automated the whole process.
- Build scripts using ANT and MAVEN build tools in Jenkins, Sonar to move from one environment to other environments.
- Created and maintained the Jython deployment scripts for Web Sphere web application server.
- Developed Perl and shell scripts for automation of the build and release process.
- Involved in editing the existing ANT/MAVEN files in case of errors or changes in the project requirements.
- Managed Maven project dependencies by creating parent-child relationships between Projects.
- Jenkins is used as a continuous integration tool for automation of daily process.
- Documented the entire build and release engineering process and provided on call support.
- Implement the supporting platform for Open Stack infrastructure on the cloud that all services and applications will rely upon.
- Implemented automated local user provisioning in instances created in Openstack cloud.
- Deployed the Openstack components on multimode with high availability environment.
- Environment

BUILD AND RELEASE ENGINEER

09/2010 to 01/2012

Booz Allen Hamilton Inc. | Suffolk, VA

- Developed and supported the Software Release Management and procedures.
- Performed all necessary day-to-day Subversion/GIT support for different projects.
- Responsible for design and maintenance of the Subversion/GIT Repositories, views, and the access control strategies.
- Designed and implemented Subversion and GIT metadata including elements, labels, attributes, triggers and hyperlinks.
- Scripting expertise using Ruby, Python or Perl.
- Expertise in configuration management tools like Chef.
- Good experience working with VMWare and AWS Incident management reports, including initial problem analysis, management status, resolution, and follows up defect reporting in an automated fashion.
- Implemented & maintained the branching and build/release strategies utilizing Subversion/GIT.
- Involved in periodic archiving and storage of the source code for disaster recovery.
- Worked closely with developers to pinpoint and provide early warnings of common build failures.
- Designed and implemented scalable, secure cloud architecture based on Amazon Web Services (AWS).
- Used ANT and MAVEN as a build tools on java projects for the development of build artifacts on the source code.
- Developed Linux, UNIX, Perl and Shell Scripts and AWT programming for the purpose of manual deployment of the code to various environments.
- Automated the build and release management process including monitoring changes between releases.
- Deployed the Java applications into web application servers like Web logic.
- Executed user administration and maintenance tasks including creating users and groups, reports and queries.
- Worked as a system administrator for the build and deployments process on the enterprise server.
- Documented project's software release management procedures with input decisions.
- Developed, maintained, and distributed release notes for each scheduled release.
- Provided periodic feedback of status and scheduling issues to the management.
- Kept track of all the releases and request of the developers through Infrastructure management tool.
- Created views and appropriate meta-data, performed merges, and executed builds on a pool of dedicated build machines.
- Involved in periodic archiving and storage of the source code for disaster recovery.
- Environment

BUILD AND RELEASE ENGINEER

06/2009 to 08/2010

Booz Allen Hamilton Inc. | Annapolis, MD

- Worked closely with the Development Team in the design phase and developed use case diagrams using Rational Rose.
- Worked with the Architects on SDLC process being the owner of post development environments Coordinating the resources by working closely with Project Manager's for the release and Carried Deployments and builds on various environments using continuous integration tool Developed and implemented the software release management for therelease of web applications.
- Wrote ANT and MAVEN Scripts to automate the build process.
- Used Shell/Perl scripts to automate the deployment process.
- Performed Load/Functional testing using Mercury Load runner and HP QTP.
- Designed a customized Status Reporting tool used currently, based on the specific requirements using J2EE/Struts and Web sphere Application Server with DB2asDatabase Co-coordinated Instance Refreshes and Environment Re-base lining.
- Coordinated all the IT projects success fully by resolving release inter dependencies and planning release.
- Planning, scheduling and documenting releases at code Freeze Periods.
- Sole person to be responsible for Release/Change control Process.
- Worked with many teams of strength more than 30 and managed 2 release/build engineers.
- Stand by administrator for Clear Case and PVCS.
- Performed Functional and Stress Testing for a few applications using Mercury Load runner Installation and configuration of RED HAT LINUX for new build environment and Monitor performance on RED HAT LINUX 4/5.
- Environment

SKILLS

- Operating Systems:
 - Windows 98/XP/NT/2000/2003/2008, UNIX, LINUX, RHEL.
 - Versioning Tools: CVS, Tortoise SVN, Clearcase, GIT, Perforce, PVCS, RTC, Stash, Mercurial, Perforce, MAVEN and TeamCity, Sonar
 - Bug Tracking Tools:
 - JIRA, Remedy, HP Quality Center, IBM ClearQuest, Mingle
 - Build Tools:
 - Bamboo, Cruise Control, Hudson, Jenkins, ANT, MAVEN and TeamCity, Sonar
 - DevOps Tools
 - Puppet, Chef, AWS, OpenStack, Ansible, Docker
 - Languages/Scripting
 - C, C++, Perl/Scripting, Batch scripting, VB script, PowerShell/Scripting, SQL, Java/J2EE, SoapUI, Ruby, Python, Bash,
 - Web Technologies:
 - Servlets, JDBC, JSP, HTML, JavaScript, XML
 - Web servers:
 - Web logic, WebSphere, Apache Tomcat, JBOSS
 - RDBMS:
 - Oracle, SQL SERVER, MySQL, DB2
 - Others
 - MS Outlook, Azure
 - Code reviews
 - Ruby
 - Python
- iOS
 - cocoapods
 - podspecs
 - Artifacts

EDUCATION

Bachelor of Technology | Civil Engineering

JNT University

09/2010 to 01/2012