CLOUD ENGINEER

Professional Summary

Overall 4+ years of IT industry experience comprising of DevOps/Aws, Build Engineering and Release Management process, including end-to-end code configuration, building binaries & deployments of artifacts.

Skills

- Aws (EC2, IAM, Elastic Beanstalk, Lambda, ELB, RDS-MySQL, S3, Glacier, Route 53, SES, VPC, KMS)
- Azure, Docker, Openshift/Kubernetes.
- CI/CD : ANT, Maven, Git, SVN Subversion, MSBuild, Jenkins, Bamboo, Chef, Ansible. Puppet. Salt, Jenkins, Sonar, Nexus.
- Automation: Scripting/ Languages : Shell scripting, Python, Ruby and Perl Scripting.
- Database : Nosql (MongoDB), MySQL, Postgres, Redis, RabbitMQ DNS, TCP/IP, FTP, HTTPS, SSH, DHCP
- Operating Systems : Linux (RedHat 5/6/7.x, CentOS, CoreOS, Ubuntu), WindowsNT/2000/2003/2012.

- System backups
- System upgrades
- Python and Ruby proficient
- Excellent communication skills

Work History

Cloud Engineer , 07/2017 to Current
Alteryx Inc. â€" Ann Arbor , MI

- Designed, configured and managed public/private cloud infrastructures using Amazon Web Services (Aws), which includes VPC, EC2, S3, Cloud Front (CDN), Cloudwatch, ELB, Lambda, Elastic Beanstalk and EC2 Systems Manager.
- Build customized Amazon Machine Images (AMI), deploy AMIs to multiple regions and launch EC2 instances using these custom images.
- Configured Aws Security Groups which acts as a virtual firewall that controls the traffic for one or more Aws EC2 instances.
- Understanding of secure-cloud configuration (Cloud Trail, Aws config), networking services (VPC, Security Groups, VPN etc.) and created roles (IAM) Experience in Aws CloudFront, including creating and managing distributions to provide access to S3bucket or HTTP server running on EC2 instances.
- Build infrastructure as a code using Terraform and Cloud Formation Templates(Json and YAML).
- Implemented a Continuous delivery framework using Jenkins, Ansible, Puppet, Maven and Oracle in Linux Environment.
- Worked with Source Code Management Git/Bitbucket and with build manager for Java projects Maven.
- Utilized Kubernetes and Docker for the runtime environment for the CI/CD system to build, test, and deploy.
- Installed and configured an automated tool Puppet that included the installation and configuration of the Puppet master, agent nodes and an admin control workstation.
- Configured Puppet Enterprise in POC for Windows and Linux Environments and successfully deployed the nodes.
- Installation and configuration of Splunk product at different environments.
- Created an on-premise CI/CD solution using Jenkins and the Pipeline plugin which uses pipeline as code.
- Developed a system to monitor agile teams and performed log analysis on ELK stack.
- Handled installation, administration and configuration of ELK stack, filebeat, Fluentd(Td-Agent) on Aws and performed Log Analysis.
- Edited Elasticsearch config files and YAML files to meet the needs of the company environments.
- Environment: Git/Bitbucket, ELK stack (Elasticsearch, Logstash, Kibana), Nginx, Fluentd, Jenkins, Puppet Beats, Splunk, Aws (S3, Cloud Trail, Cloud Watch, Ec2, IAM roles, Ec2 Systems Manager, Cloud Formation, Elastic beanstalk, VPC and KMS).

Configuration Management Developer , 12/2016 to 04/2017
Alteryx Inc. â€" TX

- Monitoring day-to- day administration like adding user, group and maintenance operations of the company network and systems working on Linux Systems.
- Involved in developing custom scripts using Python, Shell (bash), PowerShell to automate jobs.
- Installed, configured and administered and integrated Apache Web Server to work with WebLogic /JBOSS Application Server.
- Used MySQL for users' related data, MongoDB for products information data.
- Automated the Integration and deployment of application across various environments with Jenkins.
- Developed build and deployment scripts using ANT and MAVEN, for Java and pybuilder for python, as build tools in Jenkins to move from one environment to other environments.
- Integrated code coverage reports (xml).
- Implemented Ansible playbooks on Ansible Tower to deploy 3-tier Web applications, manage environment specific configurations, user access, Mount points and Package installations.
- Experience in writing Ansible playbooks using YAML scripts for deployments.
- Implemented Ansible to manage all existing servers and automate the build/configuration of new servers.
- Setup framework to run JMeter scripts via Jenkins and GitHub within Docker containers and view real time statistic using Grafana/Influx DB.
- Involved in setting up of docker and creating new images and getting images from docker hub and performing the builds.
- Implemented Maven, MSBuild scripts to automate Build process.
- Worked on Scheduling, deploying and managing container replicas on a node cluster using Kubernetes and created.
- Developed and maintained the continuous integration and deployment systems using Jenkins, ANT, Maven, Nexus, Ansible and Ruby.
- Install and configure the Rabbit MQ environment for the Analytics and setup the supervisor for managing process availability.

- Well versed with Continuous integration tools with Database such as Jenkins and Rabbit MQ.
- Built and Deployed Java/J2EE to Tomcat Application servers in an agile continuous integration process and automated the whole process.
- Extensively worked on puppet which includes Installing puppet master, agents, writing manifests and pushing them to agents for CI and CD.
- Responsible to prepare release note for deployment in UAT and PROD (release coordinator for every release).
- Installed, Managed and Configured Managed monitoring tools such as Splunk and Nagios for motoring the log files, Network Monitoring and log trace monitoring.
- Convey release notes to appropriate business partners as needed for each release.
- Design application specific SQL queries to troubleshoot raised production issues by LOB (Line of Business).
- Environment: Ansible (config management), YAML, CISCO UCS/VMWARE, Git (repo), JIRA(ticketing), Rabbit MQ, Ubuntu, Jenkins (pipelines, automation), Nagios, ELK, FTP, Maven, Sonar (code coverage), Nexus.

Cloud engineer , 02/2016 to 11/2016
Paypal â€" MA

- Migrate SVN repositories to Git and administrate Gitlab/GitHub to manage Git repositories.
- Involved in designing and deploying a multitude application utilizing almost all of the Aws stack (Including EC2, Route53, S3, RDS, Dynamo DB, SNS, SQS and ElastiCache) focusing on high-availability, fault tolerance, and auto-scaling in Aws Cloud formation.
- Configure Aws VPC with public and private subnets and Security Groups to maintain high security.
- Apply Auto Scaling and Elastic Load Balancing to create high availability and fault tolerance to EC2 instances.
- Migrated retail environments to Aws ensuring complete support for existing Chef Implementation Written various Lambda services using Python and Java Created monitors, alarms and notifications for EC2 hosts using Cloud Watch and develop Cloud Formation scripts to automate EC2instances.
- Build CI/CD pipelines for application and service delivery into Cloud Foundry via Jenkins - build and release with Git and JFrog Artifactory.
- Experience executing the CI Jenkins build job for Java application builds.
- Using Git (Stash) tool as the source code repositories for all projects and Artifactory for all builds release repository.
- Very good experience working on continuous integration and Continuous Delivery(CI/CD) tools such as Jenkins and Bamboo and did support and backup, also implemented BDD framework.
- Experience in using various network protocols like HTTP, UDP, FTP, and TCP/IP.
- Worked on Puppet for the deployment of servers with custom scripts.
- Worked on installing and managing different monitoring tools like Nagios and Splunk Involved in Shell and Perl scripts for compilation and deployment processes and automation of builds and PowerShell for Windows deployment and administration.
- Environment: Oracle WebLogic 9.x/10.x, Oracle 11g, Solaris 10, Concourse, TFS, LINUX, SVN Git, Gradle, Puppet, Jenkins, IOS/Android, LDAP, HP Quality Center, Wily.

DevOps Engineer , 07/2012 to 07/2014
Softech Solutions. India

- Experience with Aws services (EC2, S3, RDS, EBS, VPC, IAM, Cloud formation, Auto scaling) and provided enhanced security and identity access management (IAM) for Aws account.
- Managed the source codes repository of multiple development applications using Perforce version control tools and involved in Testing - unit testing (Junit) & integration testing EJB's.
- Helped customers deploying their applications in Aws cloud using Ops-works, Code deploy, Elastic beanstalk, trouble shooting customer's cloud formation stacks.
- Working on Aws Auto Scaling for providing high availability of applications and EC2 instances based on the load of applications by using Cloud Watch in Aws.
- Working on providing DNS management using Aws Route 53.
- Worked in configuring Elastic Bean Stalk for developers to quickly deploy application for testing and pushing developed code for testing.
- Created and configured jobs, script builder, custom command builder, agents in Bamboo.
- Implemented Continuous Integration and Continuous deployment using various CI Tools like Jenkins, Hudson, and Bamboo etc.
- Setup up and maintenance of automated environment using Chef Recipes& books within environment.
- Good understanding on Knife, Chef Bootstrap process etc.
- Involved in phases of testing for example Integration testing, Smoke testing Performance testing and Load testing.
- We are also using inbuilt test cases in Jenkins and running those tests on master branch.
- Environment: Java, Ant, Maven, Jenkins, Aws, Junit, JQuery, XML, Json, Postman Chef, RHEL, Ubuntu.
- Educational Details: Master's in Computer Science/GPA 3.6.

Skills
agile, ANT, Apache Web Server, automate, Automation, backup, bash, CD, CISCO, network and systems, config management, config, version control, Database, Delivery, designing, DHCP, DNS, EJB, XML, firewall, FTP, HP, HTTP, hub, J2EE, Java, JBOSS, JQuery, Json, LDAP, LINUX, notes, managing, access, Windows, 2000, WindowsNT, works, MongoDB, monitors, MySQL, Enterprise, Network, Networking, Nosql, Operating Systems, Oracle, DB, Perl Scripting, Perl, Postgres, processes, Protocols, Python, Quality, real time, RedHat 5, retail, scaling, Scheduling, SSH, servers, Shell, scripts, script, Shell scripting, Scripting, Solaris, SQL, supervisor, TCP/IP, Tomcat, troubleshoot, trouble shooting, view, VPN, Web applications, WebLogic 9.x, WebLogic, Written
Education
Master of Science : Computer Science and Technology , Wilmington University - City

Certifications

Aws Solution Architect