A close up of a sign

Description generated with very high confidence**SUJITH BOBBU**

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**Professional Summary:**

* Highly motivated DevOps automation engineer & CI/CD (Continuous Integration/Continuous Deployment) engineer with around 7+ years of experience in working on DevOps/Agile operations process and as Developer around tools (Code review, unit test automation, Build & Release automation, Environment Management)
* Worked in many technical roles both in Linux and Windows environment for build/Release automation process in Web & cloud/server Environment using Java/J2EE/JEE Technology, AWS & open source technologies.
* Involved extensive work towards code compilation, packaging, building, debugging, automating, managing, tuning and deploying code across multiple environments and Linux Administration.
* Knowledge of Amazon EC2, S3, IAM, VPC, Load balancing, Lamda, CloudFront, Route53, Databases and application services in the AWS cloud infrastructure.
* Configured Inbound/Outbound in AWS security groups according to the requirements.
* Configuration of AWS Elastic Load balancer and Auto Scaling and configuration of AWS RDS PostgreSQL Instances in Multi Availability Zone.
* Worked on Version control tools like **GIT, TFS** and **SVN**.
* Strong knowledge on source controller concepts like Branching, Merging and Tags.
* Setup code repositories and, managed plugins for Jenkins for scheduled automatic checkout of code.
* Set-up CI/CD pipelines with **Jenkins** and hands on experience in building freestyle projects, pipeline, and multi branch pipeline Jobs through Jenkins file.
* Knowledge in load balancing and setting up load balancer and firewall rules in enterprise environment
* Experienced in authoring **pom.xml, build.xml** files performing releases with the **Maven**, **ANT** release plugin and managing artifacts in sonatype **NEXUS**, **JFrog** artifactory.
* Experience with variety of databases including relational databases like Oracle, MySQL, MS-SQL.
* System administration in Red Hat and Debian distributors like Ubuntu, SUSE, Solaris, IBM AIX, EMC storage, ONTAP, AWS.
* Competence in designing AWS cloud models for Infrastructure-as-a-Service (IAAS), Platform-as-a-Service (PAAS) and Software-as-a-Service (SAAS).
* Experience with OpenStack Services such as Compute, Network, Storage, Dashboard, Image, Identity, Monitoring, and Orchestration Service.
* Experience in Server infrastructure development on AWS Cloud and Microsoft Azure.
* Experience designing and deploying container-based production clusters using **Docker**, **Kubernetes**, **Docker Swarm, and OpenShift**.
* Experience in **Docker compose** to run and deploy multi container applications, **Docker Weave** for auto discovery.
* Deployed Docker containers through **Kubernetes** to manage the micro services using its nodes, ConfigMaps, selector, Services, Pods.
* Used **Atlassian** tools **JIRA**, **Confluence**, **Bitbucket**, **Bamboo** for defect management, team collaboration, source code management and continuous integration and deployment practices.
* Experience using **Ansible Tower** dashboard, role based access control, access to **Ansible** for deployments.
* Experience in working with **Ansible** Playbooks to automate various deployment tasks and working knowledge on Ansible Roles, Ansible inventory files and Ansible Galaxy.
* Responsible for building application full automation pipeline for deployment into AWS using Jenkins, Artifactory, Chef and Terraform.
* Written Templates for AWS infrastructure as code using Terraform to build staging and production environments.
* Experienced in Server monitoring, capacity planning, application monitoring with the help of Nagios, Zabbix, Splunk, Cloud Watch, NewRelic, Elasticsearch, Kibana, AppDynamics etc.
* Utilized Cloud watch to monitor resources such as EC2, CPU memory, Amazon to design high availability applications on AWS across availability zones.
* Strong experience in server side experience on C# /.Net large code base with Distributed, Layered, Event driven, Publish-Subscribe, Service Oriented architectures
* Strong experience on Web application frameworks HTML5, CSS3, JavaScript, Object Oriented JavaScript, JSON, JQuery.
* Experience in administration of **MS SQL** server in AWS cloud platform
* Experience with Application Life Cycle management tools like **JIRA**, **HPALM** and Pivotal-Tracker.
* Experience in all phases of SDLC including requirements analysis, design, and development and testing.
* Knowledge in installation, configuration and support of **Websphere**, **JBoss**, **Tomcat**, FTP and **Apache** Web server.
* Expertise in Scrum Methodologies such as **Agile** and **Waterfall** methods, software development lifecycle management, continuous integration, build and release management and managed environments.
* Strong interpersonal and communication skills in dealing with **Clients**.
* Highly motivated, proactive and quick learner of new technologies and able to work efficiently with minimum supervision.

**Technical Skills**

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| Cloud services | Amazon Web Services (AWS), EC2, RDS, VPC, S3, ROUTE53, SNS, SQS, Cloud front, EBS, ELB, Cloud watch, Lambda, Elastic beanstalk and Cloud trail. |
| Configuration Management Tools | Ansible and Chef. |
| Continuous Integration | Jenkins/Hudson, Bamboo |
| Build Tools | MAVEN, ANT, Gradle, MSBuild. |
| Container Tools | Docker, Kubernetes |
| Version Control Tools | GIT, SVN, Team Foundation Server (TFS), Clear Case. |
| Monitoring Tools | Nagios, Splunk, Elasticsearch, sonarqube and cloud watch. |
| Scripting | Bash Shell scripting, Perl, Ruby, Python, YAML, Groovy. |
| Databases | My SQL, MS Access, Oracle 9i/10g/11g, DB2, NoSQL (MongoDB, DynamoDB) |
| Web/Application Servers | WebLogic, Websphere, JBoss, Apache Server, Apache Tomcat. |
| SDLC | Agile, Scrum, and Waterfall. |
| Languages | C, C++, .NET, Java/J2EE, PHP, Golang. |
| Operating Systems | RHEL (5.x, 6.x, 7x), SUSE Linux (9, 10, 11), Sun Solaris (9, 10, 11), CentOS 5, 6, Windows 2003, 2008, VMware ESX (3.5, 4.0). |
| Virtualization Tech | VMware vSphere ESXi 5.x/4.x, ESX /3.x, VMware Workstation, Oracle Virtual box |

**Project Experience:**

**CN Railways,Homewood,IL. Mar 2018 – Till date**

**Role: AWS/DevOps Engineer**

* Created AWS cloud formation templates to create custom-sized VPC, subnets, EC2 instances, ELB and security groups. Managed other AWS Services like S3, Cloud Front, Cloud Watch, RDS, Kinesis, Lambda, Redshift Cluster, Route53, SNS, SQS, Cloud Trail
* Experience in configuring Amazon EC2 instances and launching the new instances with same configuration using **AMIs**.
* Provisioned EC2 instances of different types by creating urity groups and managing EBS volumes
* Restricted user access permissions through **IAM** by creating roles, groups and there by attaching required Policies.
* Implemented and maintained the monitoring and alerting of production and corporate servers/storage using **AWS cloud watch**.
* Responsible for design and maintenance of the Subversion Repositories and the access control strategies.
* Created the branches in Subversion to implement the parallel development process to support quarterly releases.
* Merged release branches to the trunk after the production release and resolved the conflicts during the merge in Subversion.
* Responsible for maintaining and expanding AWS (Cloud Services) infrastructure using AWS Stack especially worked with database setup and maintenance on AWS EC2.
* Worked with the DB team and third-party services team to rectify the issues related to service calls and database collection.
* Implemented automation and integration for cloud and system infrastructure solutions using Python.
* Experience with migration to Amazon web Services AWS from Datacenter.
* Configuring and Networking of Virtual Private Cloud (VPC). Written Cloud-Formation templates and deployed AWS resources for dev, test, staging and production.
* Working and supporting on continuous integration on Jenkins, maven, Git for Amazon EC2 deployment instances on cloud computing and store the build artifacts in S3 bucket deployment.
* Configuration of Ansible modules for AWS cloud deployment.
* Configured and managed source code using **Git** and resolved code merging conflicts in collaboration with application developers.
* Developing build and deployment scripts using **Maven** as build tools in Jenkins to move from one environment to other environments.
* Worked on setting up Splunk to capture and analyze data from various layers Load Balancers, Webservers and application servers.
* Used **Ansible** to manage Web applications, Environments configuration Files, Users, Mount points and Packages.
* Configured and provisioned **ELK stack** (Amazon Elasticsearch Service, Amazon **Kinesis**, and **Kibana**) using AWS Cloud Formation template to monitor Apache logs.
* Written Docker files to build custom Docker images and used Docker Hub, Docker registry to manage the images
* Developed automation and deployment utilities using Ruby, Bash, and PowerShell.
* Responsible for implementing automation using Ruby Programming whenever feasible
* Worked on **Docker** Container snapshots, attaching to a running container, removing images, managing directory structures and managing containers.
* Generated Docker files to build docker images and leveraged docker containers in **Kubernetes**.
* Worked on Deployment Automation of all micro services to pull image from Private Docker registry and deploy to Kubernetes Cluster.
* Collaborated with development support teams to setup a continuous delivery environment with the use of Docker.

**Environment**: AWS (EC2, S3, ELB, Auto scaling, Cloud Formation), GIT, Jenkins, Maven, JIRA, RESTful API, Java, Docker, Ansible, Kubernetes, AWS Lambda.

**Gannett Inc., Mc Lean, VA Dec 2016 – Feb 2018**

**Role: DevOps Engineer**

* Plan, deploy, monitor, and maintain Amazon AWS cloud infrastructure consisting of multiple EC2 nodes and VMWare Vm's as required in the environment.
* Worked on Multiple AWS instances, set the security groups, Elastic Load Balancer and AMIs, Auto scaling to design cost effective, fault tolerant and highly available systems.
* Installing applications on AWS EC2 instances and configuring storage on S3 buckets and creation of new snapshots and deletion of old snapshots in S3.
* Experienced with event-driven and scheduled AWS Lambda functions to trigger various AWS resources.
* Involved in deploying AWS Lambda Functions and writing Web API for **Amazon Lambda** to manage some of the AWS services.
* 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.
* Experience with configuration and monitoring distributed and multi-platform servers using Chef in AWS Cloud Environment.
* Developed and implement an automated Linux infrastructure using Chef.
* Deployment and implementation of Chef for infrastructure as code initiative.
* Configured and deployed **GIT** repositories with branching, forks, tagging, merge requests, and notifications.
* Used Jenkins for Continuous Integration and deployment into **Tomcat** Application Server.
* Created **Jenkins** CI/CD pipelines for continuous build & deployment and integrated **Junit** and **SonarQube** plugins in Jenkins for automated testing and for Code quality check.
* Managed **Maven** plugins and written Maven Scripts to handle the dependencies
* Used Maven dependency management system to deploy snapshot and release artifacts to **Nexus** to share artifacts across project.
* Used **Nagios** for monitoring the backend servers and network infrastructure.
* Implemented Jenkins Master- slave mechanism by configuring EC2 instances as slaves
* Setting up cron schedules for backups and monitoring the production servers using Nagios.
* Worked on Ansible to configure the servers, deploy software, and orchestrate continuous deployments or zero downtime rolling updates.
* Configured the Ansible playbooks with Ansible Tower and wrote playbooks using **YAML.**
* Created **Ansible** **playbooks** to automatically install packages from a repository, to change the configuration of remotely configured machines and to deploy new builds.
* Experience in using Splunk for Log Analysis and integrate **Splunk** with AWS deployment using Ansible to collect data from all EC2 systems into Splunk.
* Maintained Urban Code Deploy and deployed the artifacts to Urban Code Deploy for release management.
* Created Bash, shell and python scripts for various Systems Administration tasks to automate repeated processes.
* Responsible for maintaining build scripts and checking build status. Maintained and modified scripts and documented process for build.
* Experience in installing, integrating, tuning and troubleshooting Apache and WebLogic application server.
* Maintained JIRA for tracking and updating project defects and tasks.
* Used various plug-ins to extend the base functionality of Jenkins to deploy, integrate tests and display reports.
* Worked with developers for resolving runtime failures, troubleshoot Build and Deployment issues with minimal downtime.

**Environment**: DevOps, GIT, Maven, Jenkins, AWS, Ansible, Apache Webserver, Linux, Tomcat, Nagios, Splunk, SonarQube, Urban Code, Nexus, JIRA.

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## Hanger Inc., Austin, TX Sep 2013 – July 2016

## Role: Build and Release Engineer

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* Release Engineer for a team that involved different development teams and multiple simultaneous software releases.
* Developed and implemented Software Release Management strategies for various applications according to the agile process.
* Implemented & maintained the branching and build/release strategies using Git.
* Used Jenkins for Automating Builds and deployed builds.
* Configured Git with **Jenkins** and schedule jobs using Poll SCM option and integrated the tools to automate code checkout process.
* Experience in writing ANT, Maven scripts and converted ANT projects to **Maven**
* Creating Parent **POM** from the child POM’s using inheritance and aggregation concept.
* Automate administration tasks through scripting and Job Scheduling using **CRON**.
* Deployed applications on CentOS 6/7 environment and resolved deployment issues on enterprise environment.
* Configured and Maintained Apache, Tomcat, and Django Servers.
* Developed system services SOA application platform for use by all web applications utilizing WCF services.
* Involved in Migration/Upgrade of Data Base servers
* Extensively used WCF framework to build applications that inter-communicate and implement services using Service Contract and Data Operation
* Performed tuning to increase the performance on deployed server.
* Worked on Shell scripts, Bash for regular and periodic jobs and for system administrator jobs.
* Installed and administered Artifactory repository to deploy the artifacts generated by Apache MAVEN and to store the dependent jars, which are used during the build.
* Eclipse is used for development as IDE and used JUnit for unit testing and repeatable tests for the application.
* Performed various configurations which include networking and IP Tables, resolving hostnames, SSH keyless login.
* Deploy builds to production and work with the teams to identify and troubleshoot any issues.
* Handled day-to-day operations like managing file systems, performance monitoring, checking system logs and troubleshooting alerts.
* Provided technical support to developers with configuration issues. Defined and implemented issues, tasks, defects and change management processes using **JIRA** Ticketing System
* Source code repository management for multiple development and production support code streams.

**Environnent** : Linux, Jenkins, Tomcat Apache Application Server, GIT, ANT/Maven, Nexus, JIRA.

**ATMECS Technologies, India May 2011 – Aug 2013**

**Role: Linux/Unix Admin**

**Responsibilities**-

* Managed and administrated of all UNIX servers, includes **Linux** operating systems by applying relative patches and packages at regular maintenance periods using **Red Hat** Satellite server, YUM, RPM tools.
* Installation, maintenance, managing and regular upgrading of **Red Hat Linux Servers Ubuntu Trust, CentOS, Fedora, Linux** on both standalone and virtual environments.
* Deployed **Red Hat** Satellite server with custom repositories to provide a stable management solution for the **Linux** environment.
* Installation and Configuration of Logical Volume Manager - **LVM** and **Veritas Volume Manager** on and **Red-Hat Linux** Hardware.
* Setup Jumpstart servers for automated installation of **Solaris** and **Kickstart** for **Linux** servers and workstations and set up **NIS**, **NFS** for centralized administration of user account configurations.
* Production support of **Apache, Apache HTTPD, Jboss, Tomcat** and Oracle Web logic 10.3 application servers including installation, configuration, management, and troubleshooting.
* User/group maintenance in both production/development environments. In-house process control initiatives including IT Services Management worked with **LDAP** integration for a single log on.
* Deployed and installed new servers and their appropriate services for various applications in **Linux**.
* Extensive knowledge of Server administration, Kernel upgrade and deployment of patches and applying all firewall and security policies with emphasis on maintaining best practices.
* Strong understanding in writing the automation of processes using the **Shell script** with **Bash** and **Python**.
* Maintain all computer, server, network and wireless hardware.

**Environment:** UNIX, Red Hat, DNS, Yum, Rpm, Ubuntu, Centos, Fedora, Apache, Jboss, Tomcat, Oracle,

WebLogic, kernel, Shell, Bash, Python.

**Education /Certification:**

* Master’s in Information Systems from Central Michigan University – MI.
* Bachelors in Engineering and Technology – India.