


BANDLA SANDEEP

AWS & DEVOPS Engineer



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CAREER OBJECTIVE

To be a part of an organization which give me chance to use my skills to the best of my ability and to obtain responsible position in the DEVOPS&AWS and I am enthusiastic and interested for new challenges to grow individually and professionally along it.

PROFESSIONAL SUMMARY:

- Having **3.2+** years of experience as a **DevOps Engineer**, build, deploy and release process with various environments.
- Experience of Implementing Devops by integrating source control tools **GIT, BitBucket**, Build tools like **Ant, Maven**, CI/CD tool like **Jenkins** and Deployment automation tool like **Ansible** practices for the Billing Development Teams using **SonarQube, TOMCAT**.
- Having experience in Configuring **Jenkins** from the scratch and administering and automating the process with **Shell Scripting**.
- Good experience and Administrate the continues integration tool like **Jenkins**.
- Created automated build and release environment using Continuous Integration Tools **Hudson/Jenkins**.
- Implement **Master-Slave** concept in **Jenkins**.
- Good experience on Build Tool **Maven** and CI Tools like **JENKINS**.
- Having experience on **Apache TOMCAT**.
- Knowledge in Migrating the Infrastructure from on premise data centre to the AWS infrastructure.
- Configuring **Auto-scaling** for scale-in and scale-out based on Network and Application loads
- Handled operations and maintenance support for **AWS** cloud resources which includes launching, maintaining and troubleshooting EC2 instances, S3 buckets, Virtual Private Clouds (VPC), Elastic Load Balancers (ELB).
- Created and updated **Ansible playbooks**. Automated the cloud deployments using Ansible and AWS cloud formation templates.
- Configured **Ansible** to manage AWS environments and automate the build process for core AMIs used by all application deployments including Auto scaling.
- Written Ansible Playbooks for various DB configurations to modular and optimize product configuration.
- Amazon IAM was used to maintain the user credentials and involved in creating custom IAM policies to various groups defined within the organization.

- Design high availability applications on AWS across availability zones and availability regions.
- Having good knowledge in **Dockers Containerization**, Dockerfile.
- Virtualized the servers on AWS using the **Docker**, created the Docker files and version controlled them.
- Configuring the **Docker** containers and creating docker files for different environments.
- Configured and maintained **Jenkins** to implement the **CI** process and integrated the tool with **Ant** and **Maven** to schedule the builds and automated the deployment on the application servers using the “code deploy” plug-in for Jenkins.
- Experience with **Apache/Tomcat**, **Load Balancer (Apache)** and expertise in making configuration changes.
- Experience in configuring and deploying Web Applications using **TOMCAT** and Apache.
- Knowledge on Linux and Windows operating systems.
- Experience in Monitoring teams to identify and troubleshoot issues on servers using tools like **Nagios**.
- Utilizing the Cloud Watch to monitor resources such as EC2, CPU memory, and EBS volumes.
- Converting production support scripts to Ansible Playbooks and AWS server provisioning using Ansible playbooks.
- Created AWS Security Groups for deploying and configuring AWS EC2 instances.
- Worked in creating Kubernetes cluster for staging, QA, UAT environments.
- Deployed images in pods using ansible playbooks.
- Written ansible playbooks for creating Kubernetes cluster for all environments.
- Automated deployment process from Jenkins to Kubernetes Cluster.
- Develop and maintain an advanced platform to manage Kubernetes clusters lifecycle.



TECHNICAL SKILLS:

Elements	Particulars
Application Server	Apache Tomcat
Build Tools	Maven
(SCM) Tool	Git, Bit Bucket. Git Hub
Continuous Integration (CI) Tools	Hudson, Jenkins
Databases	MONGO DB
Operating Systems	LINUX Ubuntu, Windows.
Scripting Languages	Shell Scripting
Monitoring Tools	Cloud watch
Artifact tool	Nexus
Containerisation tool	Docker
Container orchestration tool	Kubernetes,EKS.
Configuration tool	Ansible, Chef.
CodeQuality	SonarQube

Devops Tools	GIT,Jenkins,Ansible,Sonarqube,Nexus,Docker,Kubernetes,Terraform and Nagios.
AWS Services	EC2,S3,SQS,SNS,Cloud Front,Cloud Watch,Autoscaling,Load balancer,VPC,Route53,AWS Codepipeline,Lambda,Elastic Bean Stack,Migration & Transfer,IAM.



PROJECTS:

Project#2

Project Name	IELTS
Role	AWS&DevOps Engineer
Environment	AWS, GIT, Maven, Jenkins, Docker

Roles and Responsibilities: -

- Launching and configuring of Amazon **EC2 (AWS)** Cloud Servers using **AMI's (Linux/Ubuntu)** and configuring the servers for specified applications
- Worked in Amazon Web Services(AWS) **VPC, EC2, Cloud formation, S3, IAM, RDS, Route 53, Cloud Watch** and Elastic cache.
- Utilized **Cloud Watch** to monitor resources such as **EC2, CPU** memory, **EBS** volumes to set alarms for notification or automated actions; and to monitor logs for a better understanding and operation of the system.
- Configured **Jenkins** and **Maven** for build and deployment.
- Responsible for releases, doing builds and managing build system using **Jenkins**.
- Associating with Build & Release team to setup **Jenkins** server & nodes for distributing the **Jenkins** jobs.
- Configuring **GIT** server and proving access for developers for check in, checkout and resolving merging conflicts.
- Involved in maintaining source code in Remote Repository.
- Involved in Writing **Docker** files to build customized images for creating containers.
- Configured **Jenkins** for automating manual tasks, created different build pipelines for better analysis.
- Design, implement, and maintain continuous build and deployment mechanisms.

Project#1

Project Name	Ditech
Role	DevOps Engineer
Environment	GIT, Maven, Jenkins, Linux, Docker

Description:

Ditech Financial LLC is a provider of home loan, loan servicing and refinance products to consumers and institutional partners in the U.S. Ditech launched a co-branding and joint-venture initiative with more than 600 institutional partners that provide mortgage and refinance loans to their customers.

Role & Responsibilities:

- Creating branches, tags and merging the code from one branch to another in **GIT**.
- Performed all System Administration tasks like **installing packages** and **patches**.
- Performing take backups, archiving and checking data integrity through **Shell Scripts** and job automation.
- Used **GIT** as source code repositories.
- Responsible for managing source code repository **GIT**, creating **Tags**, **Branches** and **Branch Merge**.
- Supported and developed tools for Integration, Automated Testing and Release Management.
- Used **GIT** as source code repositories.
- Created **Maven** build scripts for different projects and keeping them consistent and up to date
- Installing plugins in **Jenkins**
- Creating Master /slave configurations in **Jenkins**.
- Configured Webhooks for automated builds in **Jenkins**.
- Used **Jenkins** for Continuous Integration and deployment into **Tomcat** application server
- Configured **GIT** with **Jenkins** and schedule jobs using **Poll SCM** option.
- Pull and run the base images in the **Docker** from the **Docker HUB**.
- Automated the project's build process using **Jenkins**.
- Containerization using **Docker**
- Uploading **Docker images** to **Docker** hub for backup purpose
- Design **EC2** instance architecture to meet high availability application architecture and security parameters.
- **Installing** and **configuring** application servers for deploying artifacts as per project requirements.
- Extensive knowledge in troubleshooting **builds, deployment, configuration** problems in development, QA and production environments.



WORK EXPERIENCE

- Working as DevOps Engineer at Infosys Limited, Bangalore from August 2017 to till date.



CERTIFICATIONS

- Certified with **Amazon Web Services (aws) Solutions Architect- Associate**
- Validation Number K2LSCGWL1NF1Q4C6
- Validate at: <http://aws.amazon.com/verification>

I **BANDLA SANDEEP**, hereby declare that the above details furnished are true under the best of my knowledge.