

Devops-Engineer

R S ADITYA A

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In pursuit of challenging assignments that would facilitate the maximum utilization and application of my broad skills and expertise in making a positive difference to the organization

4+ years of Software Industry experience in IT area, Persuasive communicator with exceptional relationship management skills with the ability to relate to people at any level of business and management, highly ethical, trustworthy and discreet.

PROFESSIONAL SUMMARY

- Good working experience in building and deploying Java web applications in **Windows** and **UNIX** environment.
- Build and deployments under different testing environments starting from development to staging and pre-production.
- Hands on Knowledge in version control system like **GIT**.
- Hands on knowledge with build tool like as **Maven**.
- Automated Build and deployment process, across java projects using **Jenkins/Hudson**.
- Hands on experience with **Chef** configuration management tool.
- Developing **Cookbooks** and recipes as per the requirement and deploying the builds using **Chef**.
- Developing cookbooks for **roles** and **Environments** based, so that infrastructure can be spun up on the Environments as per our required desired state.
- Having Experience in creating Custom **Docker** images using Dockerfile. And Knowledge over **Docker** Networking.
- Containerization the Infrastructure using **Docker**. building images using Dockerfile.
- Work with various members in the team to automate and evolve build and deployment infrastructure.
- Hands on knowledge with Installation and Application servers configuration and management (**Tomcat**).
- Basic Knowledge on **ShellScripting** and **Python** as well used for automating the process.
- Written **Bash Scripting** for the Deployments and automation scripts.
- Written **Python Script** for Monitoring some log files.
- And working knowledge on **Python Boto3** module to control the AWS services.
- Worked on ticketing tool like **JIRA**.
- Understanding the aspects of the software Development Lifecycle (**SDLC**).
- Good understanding over clustering using **Kubernetes** and **Architecture of Kubernetes**.
- Good knowledge over creating Pods, Replication Controllers and deployments. and creating Services for Load balancing.
- Hands on Experience with Virtual Environment like **Vagrant**.
- Good Knowledge over AWS Services like **EC2, S3, IAM, VPC, CloudFront, EBS, LoadBalancing, AutoScaling, Cloud Watch, Cloud Formation, ECS, Lambda, RDS**.
- Good Knowledge on Other Configuration Management tools like **Ansible**.
- Good Exposure to Infrastructure Provisioning tool like **Terraform**.
- Experienced with Programming Languages like **C#.Net** along with Design Architecture **Asp.Net MVC** as my career started on **.Net** Platform.

WORK PROFILE

Current Designation	: Devops Engineer
Area of Work	: Devops
Domain	: Supply Chain Management, Tele communication and Banking
List of Major Technologies/tools	: Basic Java, Linux, Maven, Chef, Docker, Vagrant, GIT, Tomcat, Shell Scripting, Jira, Jfrog, Jenkins

IT FORTE

Operating Systems	Windows, UNIX
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Version Control	GIT,Basic Knowledge Over TFS.
Build Tool	MAVEN
Continuous Integration Tools	Hudson/Jenkins
Configuration management Tools	Chef, Exposure to Ansible
Containerization& VM	Docker with Kubernetes, Vagrant
Scripting Languages	Shell Scripting, Basic knowledge over ruby, Javascript,Python
Artifact Repository	JFrog
Web Server	Apache, Knowledge over IIS
Application Server	Tomcat
Ticketing Tool	Jira
Monitoring Tools	Basic Knowledge over Nagios
Programming Languages	C#.Net with Asp.net MVC

PROFESSIONAL EXPERIENCE

IBM Pvt Ltd
Devops Engineer.

(Jan 2015 – till date)

KPMD Software Pvt Ltd
Software Developer.

(June 2013--Dec 2014)

PROJECTS HANDLED

Project #3

Project Title : Personal Corporate and Banking (PCB)
Client : Barclays Inc.
Role : Devops Engineer
Duration : Aug2016-till Date
Team Size : 5
Environment : GIT, MAVEN, JENKINS, CHEF,DOCKER,Jfrog, Tomcat Application server.

Description:

Barclays is a multinational banking and financial services company located in UK. It is a universal operations in retail, wholesale and investment banking, as well as wealth management, mortgage lending and credit cards. It has operations in over 50 countries and territories and has around 48 million.

Roles and Responsibilities:

- Experience in cloning the repository and creating branches and tags from master to separate build system after a milestone releases.
- Create and establish build process using **Maven** to perform builds efficiently and deployment of the application in Tomcat.
- Monitoring the builds using Continuous Integration tool like Jenkins.
- Installing and configuring **Chef server** and **Chef workstation**. Adding **nodes** to chef server with help of work station.
- Hands on working experience on **Cookbooks** and writing **recipes** with help of **Chef** Resources for configuring packages on the nodes .
- Good exposure over the chef utilities like **ChefDK** and **knife**.
- Configuring a CRON Jobs for continuous deployments to DEV and QA Environments by picking up builds from Jenkins using **Chef**.
- Used **Docker** for setting up application specific container to the Testing environment on the Developer environment.
- Building the **Docker** Images using Dockerfile while Building the application using **Maven** in **Jenkins**.
- Resolved the build issues during implementation of Barclay's applications.
- Handled multiple environment builds to create build setup and perform deployment activities.
- Configuration of Jenkins CI tool for automated build and Integrating Jenkins with **Docker**.

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- ✦ Installed **Docker and Kubernetes Clustereing** from the scratch.
- ✦ Created **kubernetes** cluster using the **Docker images** for the testing the applications.
- ✦ Created **Kubernetes Deployment** to test performance of the application using the jmeter scripts.
- ✦ Woking on the **Aws Resources** for the migrating from on premises to Cloud Environment.
- ✦ Creating **Ec2** instances and configuring packages and configuration using **CHEF** .
- ✦ Creating **VPC** and Creating **Public Subnet and Private Subnets** in Aws Cloud.
- ✦ Creating **Volumes** and taking **snapshots** and attaching Volumes to the Ec2 instances on demand.
- ✦ Created **s3** buckets for maintaining application required images and application generated receipts in high availability.
- ✦ Creating Alarms in **Cloud watch** service for Monitoring the server's performance, CPU Utilization, disk usage etc.
- ✦ Troubleshooting application related issues by log verification.

Project #2

Project Title	: Avaya Diagnostic Server (ADS)
Client	: Avaya Inc.
Role	: Build Engineer
Duration	: Jan 2015 -Aug2016
Team Size	: 5
Environment	:GIT,Maven, Jenkins,CHEF,Docker,Red Hat Linux, Tomcat Application server.

Description:

Avaya Diagnostic Server is an Avaya serviceability solution for advanced diagnostic services and remote support to Avaya products. Avaya Diagnostic Server leverages the capabilities of **Secure Access Link (SAL)** with the addition of a patented technology, **SLA Mon™**. With the SLA Mon™ technology, Avaya Diagnostic Server takes the serviceability approach to an advanced level by adding remote phone control, phone event monitoring, and network diagnostic capabilities. Avaya Diagnostic Server provides faster time-to-resolution and better performance visibility across the network compared to the traditional approach of network diagnostics.

Avaya, Business Partner, and customer service personnel can use the customer-controllable troubleshooting and diagnostic tools of Avaya Diagnostic Server to improve problem verification and resolution times. With remote access, alarm transfer, remote phone control, remote phone event monitoring, and network monitoring capabilities, Avaya Diagnostic Server reduces onsite dispatches and customer engagement requirements.

Roles and Responsibilities:

- ✦ Worked on version control system **Git** tool.
- ✦ Experience in Creating **branches** and **tags** to separate build system after a milestone releases and Create build storage archives for back tracking builds.
- ✦ Create and configure new jobs for each and every module in **Jenkins**.
- ✦ Automated the bundling process and reduced all the manual intervention needed and merged that to the Jenkin's job.
- ✦ Automated builds using **Jenkins and Maven** .
- ✦ Setup DEV, QA and UAT environments for every sprint using **Chef**.
- ✦ Making use of chef super market for 3rd party cookbooks.
- ✦ Create and establish build process using Maven to perform builds efficiently and deployment of the application using Tomcat.
- ✦ Created custom **Docker** images using **Dockerfile**.
- ✦ Identify, troubleshoot and resolve issues related to build and deploy process.
- ✦ Inform through mail the compilation errors to the responsible team with error logs using **JIRA**.
- ✦ Experience in writing environment checks using **Shell scripting**.
- ✦ Enhanced build infrastructure by adding more automation to build scripts.

Project #1:

Project Title	: Medcity Medical Practice Management System
Client	: SWRMC & Accurate business solutions
Role	: Software Engineer
Duration	: June2013 –Dec2014.
Team Size	: 7

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Environment

: Visual Studio 2010, .NET Framework 4.0, ASP.NET MVC 4, C#.NET,ADO.NET Entity Framework,SQL Server 2008, AJAX,TFS,IIS.

Description:

Medical Billing Management practice is the process of submitting and following up on claims to insurance companies in order to receive payment for services rendered by a healthcare provider. Implemented on electronic data(EDI) submitting for the claims processing ,eligibility and Remittance advice in EDI formats(835) to avoid the delay in claim processing over paper claim processing.

Roles and Responsibilities:

- Involved in different phases of Software Development Life Cycle (SDLC) including Designing, Programming, Testing and Documentation.
- Extensively used JavaScript in Client side Validations.
- Worked closely with designers for a consistent look and feel for web pages while working on Shared Pages, Themes, and CSS.
- Used ASP.NET MVC4 to build the application, used Razor View Engine and Worked on Views, Controller, Models and View .
- Used TempData, View Bag in Application Level State Management.
- Created and modified Stored Procedures, Joins, and Sub Queries for efficient data transfer between databases.
- Implemented AJAX with JQuery to improve performance, responsiveness, interactivity and features of application.
- Used Microsoft Team Foundation Server for the purpose of version Control and source code and Worked with IIS.

ACADEMIC CREDENTIALS

❖	2012	B-Tech. (ECE) Secured: 64.3%	JNTUK, Kakinada, A.P.
❖	2008	Intermediate Secured: 82.6%	Intermediate Board, A.P.
❖	2006	High School Secured: 78.8%	Board of Secondary Education, A.P.

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