**Madhavi Cirasanambati**

*Senior Technical Architect*

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**PROFESSIONAL SUMMARY**

13 plus years of experience in Software Testing, DevOps, ITSM processes and production support. Last 5 plus years of professional experience on DevOps and supporting roles with managing production scale applications on **On-Premises** and **Cloud environments** using various automation tools to oversee the end-to-end deployment process and improve operational excellence

* Hands-on professional experience in managing, configuring and deploying instances on **Cloud environments** such as **AWS** Cloud
* Experience with Amazon AWS cloud services like **EC2, S3, EBS, ELB, Lambda, CloudWatch, Elastic IP, RDS, SNS, SQS, Glacier, IAM, VPC, Route53.** Knowledge on **Terraform** and **CloudFormation**
* Hands-on experience in creating CI/CD pipeline with AWS Cloud DevOps Tools - **AWS CodeCommit, CodeBuild, CodePipeline** and **CodeDeploy**.
* Build an end-to-end DevOps CI/CD pipeline using **GitHub, Jenkins, Ansible** and **Docker**
* Experience in provision of automation tools like Ansible & Puppet ​ in​ addition to deployment tools like Git, GitLab and Jenkins.
* Used **Shell Scripting, Groovy** and **Python** based scripts for merging, branching and automating the processes across the environments.
* Proficient knowledge on **agile processes** and tracking tools like **JIRA**, **TFS**.
* Experience in monitoring tools like **AWS CloudWatch** to health checks the various deployed resources and services. Knowledge on **Prometheus** and **Kibana.**
* Experience on **Kubernetes** for container management
* Ability in managing all aspects of the software configuration management process including code compilation, packaging deployment, and release methodology and application configurations.
* Good analytical, problem solving communication skills and have the ability to work either independently with little or no supervision or as a member of a team

**TECHNICAL SKILLS**

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| --- | --- |
| Operating System | Redhat, Linux and Windows. |
| CI/CD Tools | Jenkins, Ansible, Docker and Kubernetes |
| Scripting language | Shell scripts, Groovy and Python |
| CM Tools | Terraform, CloudFormation |
| Database | SQL, AWS RDS, MySQL and Oracle |
| Build Tools | Maven and MS Build |
| Monitoring Tools | CloudWatch, Dynatrace, Prometheus and Kibana |
| DevOps and Cloud services | AWS Cloud (EC2, ELB, AWS SQS, AWS S3, AWS Code Pipeline, Code Build,  CodeCommit, RDS, AWS Cloud Watch, Cloud Trail & IAM) |
| SCM Tools | GitHub, Gitlab, Bitbucket |
| Web Servers | Apache Tomcat, Nginx and Httpd |
| Artifactory | Nexus, JFrog |

**PROFESSIONAL EXPERIENCE**

* Working as “**Senior Technical Architect**” for **HCL** from July 2021 to till date.
* Worked as a “**Lead Analyst**” for **CGI** from August 2012 to June 2021.
* Worked as a “**Product Engineer**” for **Symphony Services** from October 2010 to August 2012.
* Worked as a “**Test Engineer**” for **Infinite Computer Solutions** from June 2008 to October 2010.

**PROFESSIONAL CERTIFICATIONS**

* AWS Associate Solution Architect (SAA-C02)
* ITIL V3 Foundation certified professional
* PSM1 Professional Scrum Master
* Programming for Everybody (Getting Started with Python) by University of Michigan on Coursera

**EDUCATION**

**Sri Padmavathi University |** Tirupati, AP, India June 2006​

Master’s in Computer Applications (MCA) Cumulative GPA 7.7/10

**PROJECT DETAILS**

**HCL** | July 2021 – Till date | 1 year | Bangalore, India

Senior Technical Architect

Client: Johnson & Johnson

**Project #1:**  Managed and supported multiple projects using DevOps activities​ (Global *Operations Supports*)

**Role**: ​ Sr. Technical Architect

**Duration**: ​ 8 months

**Responsibilities:**

* Build and release software baselines, code merges, branch, and label creation in Bitbucket.
* Maintenance of source code in Bitbucket, branching, creating labels, merging of codes on Bitbucket for QA testing and release.
* Used Jenkins CI/CD tools for code pipeline, test automation (Robot Framework scripts) and build triggers.
* Integrating Unit Test while pushing code to Bitbucket.
* Integrated SonarQube while building application using Make.
* Dockerised the completed Build and deployment.
* Coordinate with development and production support teams based on release schedule for deployments using CI/CD.
* Used J&J services to manage, code deployments as par deployment process
* Follow ITSM processes like change control, problem management and root cause analysis for production level issues
* Created and maintain a ITSM process documentation for all the new server setups and existing servers.
* Managing team of 10-12 DevOps resources.

**Technology/Environment:** Jenkins, Docker, JFrog, Confluence, Jira, Bitbucket, Linux, AWS Cloud and Kubernetes, Robot Frame work, Embedded system (C, C++, .NET application)

**CGI** | August 2012 – June 2021 | 8 years | Bangalore, India

Lead Analyst

Client: Treserva/Sweden

**Project #2:**  Managed and supported multiple projects using DevOps activities​ (Global *Operations Supports*)

**Role**: ​ DevOps Engineer

**Duration**: ​ 4 Years

**Responsibilities:**

* Build and release software baselines, code merges, branch and label creation in GitHub/bitbucket.
* Maintenance of source code in GitHub, branching, creating labels, merging of codes on GIT for QA testing and release.
* Used Jenkins CI/CD tools for code pipeline, test automation (Selenium scripts) and build triggers.
* Integrating Unit Test while pushing code to GIT.
* Integrated SonarQube while building application using Maven.
* Implemented rapid-provisioning and life-cycle management for Linux using Amazon EC2, ansible and scripts.
* Professional experience in Configuring and Deploying instances on AWS Cloud environments & Data Centers.
* Monitor service logs using AWS CloudWatch to check health of Cloud services
* Push service logs message to AWS Elasticsearch service and generate useful metrics using Kibana tool.
* Coordinate with development and production support teams on the basis of release schedule for deployments using CI/CD.
* Used Terraform as tool to automate infrastructure creation/managing, code deployments as par deployment process
* Follow ITSM processes like change control, problem management and root cause analysis for production level issues
* Created and maintain a ITSM process documentation for all the new server setups and existing servers.

**Technology/Environment:** Jenkins, Ansible, Docker, Confluence, Maven, GitHub, Apache Tomcat, Linux, AWS Cloud , Terraform and Kubernetes , Java application, Front end Angular.

**Project #3:** ​ Automation Engineer for Treserva

**Role**​: Sr. Software Engineer /Scrum Master

**Duration**​: 4 Years

**Responsibilities:**

* Managing and Leading of 10-13 members.
* Managing a scrum team.
* Managing Integration of multiple scrum teams
* Responsible for FI and RI of multiple branches
* Main multiple task for creating reports.
* Onsite-offshore coordinating.
* Responsible for Release build to customer.
* Test Automation for GUI testing using Ranorex.
* Automation for AngularJS applications using Protractor.
* Effectively collaborates with team members and project stakeholders to ensure customer satisfaction.
* Responsible for guiding the planning, tracking and day-to-day activities of Web development teams.

**Technology/Environment:** ​ C#, Coded UI, Ranorex, Protractor, TFS,GIT, SQL, MTM, Confluence, Jenkins, Docker

**Symphony Services**| Oct 2010 - Aug 2012 | 2 years | Bangalore, India

Product Engineer

Client: Escalate Retail

**Project #4:** ​Escalate Retail

**Role**​: Product Engineer

**Duration**​: 2 Years

**Responsibilities:**

* Different Testing activities.
* Co-ordination between Onshore and offshore
* Defect Tracking using BOSS
* Automation Testing using Selenium.
* Responsible for End to End Testing

**Technology/Environment:** ​UNIX, LINUX, BOSS, JIRA, SQL, Selenium

**Infinite computer solutions**| Jun 2008 - Oct 2010 | 2 plus years | Bangalore, India

Test Engineer

Client: NHMMIS

**Project #5:** ​NHMMIS

**Role**​: Test Engineer

**Duration**​: 2 Years

**Responsibilities:**

* System, Integration, Functional and Regression Testing
* Execution of Test cases using Rational Manual Tester (RMT) and tracking the defects using rational tools (CC)
* Automation scripts execution/updating using Selenium Server using Eclipse.

**Technology/Environment:** ​RMT, Selenium, CC.