

Ramamoorthy Pachaimuthu

DevOps - AWS Engineer

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Technical Writer at 'Code with me': <https://github.com/raam714>

Technical Blogger at 'Codementor': <https://www.codementor.io/@raam714>

- Overall, 10 years of IT experience in **DevOps, CI-CD, Build setup, Source Code Management, Automation and Development of high-end enterprise level application from scratch to release.**
- Expertise in **Build Release Management, Automation, Continuous Integration, Automated Deployment and Development high end enterprise application.**
- **Written technical Blogs on multiple technologies.**

Education

Bachelor of Engineering

Engineering College (KEC),
Perundurai,
Erode, Tamilnadu.

Graduated, May 2010Kongu

Technical Skills

Global/Central/Remote Repo	GitHub, Gitlab, Bitbucket, Git ,RTC
DevOps Tools	Maven,MsBuild,Smartbear,Sonarqube,Appscan,Jenkins,Docker, Kubernetes, Ansible, Nexus,Blueprint,Junit,Nunit,Artifactory
AWS Cloud Services	Ec2, S3, VPC, ELB, IAM, SNS, AMI, EBS, CloudFormation, CloudTrail
Web Services	Apache and Nginx
CICD Tools	Jenkins & Knowledge on Bamboo
Containerization	Docker
Container Orchestration	Docker Swarm & Kubernetes(k8s), HELM
Scripting Languages	Shell (Bash), YAML, Groovy,Powershell, Basic Python
Provisioning Tools	Terraform, Cloud Formation
Operating System	Windows, Linux, Unix, Windows Mobile, Android, Mac OS.

Professional Experience

Working as Technology Analyst for INFOSYS Ltd from JAN 2015 to Till Date

Worked as Implementation Engineer for EGS Computers India Pvt Ltd from JUN 2012 to JAN 2015

Worked as Lecturer for TIET from JUN 2011 to MAY 2012

Project 5: VZ – Infra Implementation

(May 2021 – Till Date)

Role: Infra Support Engineer

Description: Develop and maintain the new process and provides infrastructure support for the teams.

Roles and Responsibilities:

- Designed and Implemented DevOps Solutions and Developed automation and deployment utilities
- Worked on Jenkins declarative script using groovy and implement the same
- Worked on Continuous Integration and Continuous Delivery Model, Includes tools like **JIRA, GitLab, Maven, Jenkins, Ansible, Docker, K8s, Helm, Sonarqube, Fortify, Confluence**
- Developed Multiple Manifest **YAML** files for **Microservices** Deployments
- Provisioning Infrastructure in **AWS** using **Terraform**
- Helped set up Ansible, Docker, Kubernetes and Helm
- Worked with container-based deployment using Docker. Working with Docker Images, Docker hub & private registries
- Worked on Creation of Docker Images and Docker consoles for managing the application life cycle
- Created Docker file for each Micro services to deploy java-based application
- Worked closely with onsite team for knowledge transfer sessions and Documenting issues caused and resolved for future references.
- Defect tracking through JIRA and Proper bug Reporting ensuring all necessary information available in reported bug
- Created alarms and notifications for EC2 instances using Cloud Watch, and configured New Relic Monitor tool performance on all nodes

Environments: GitLab, Jenkins, Maven, Docker, Kubernetes, Artifactory, New Relic, AWS & Linux, SonarQube, JIRA

Project 4: Blueprint Implementation

(Jun 2020 – May 2021)

Role: DevOps Consultant

Description: Blueprint and Jira integration using Tasktop

Roles and Responsibilities:

- Primary responsibilities include requirement gathering, installation, configuring and implementing Blueprint tool
- Designed and Implemented **Blueprint- Jira** integration.
- Worked on new project creation, user creation and Group management
- Worked on **Tasktop** customization for Blueprint & Jira
- Developed and Implemented software release management strategies for various application according to **agile** methodologies (sprint + scrum master).
- Deployed the build artifacts into QA, UAT, and Production environments according to build life cycle.
- Training provided to Admin and End Users
- Supported on DevOps CI-CD pipeline issues
- Support daily build and product release.

Environments: Blueprint, Tasktop, Jira, Gitlab, SonarQube, Nexus, Jenkins

Project 3: Elsevier Support

(Jul 2019 – May 2020)

Role: Senior DevOps Engineer

Description: EDI stands for Electronic Data Interchange. It is the process by which data is pulled from the application and database and sent to the appropriate carriers

Roles and Responsibilities:

- Configured Jenkins job with Git and Maven for generating artifacts.
- Responsible for maintaining backups in Jenkins
- Installed **Jenkins** and automated build process.
- Continuous Integration, Continuous Deployment and Automated Upload of test result build.
- Installing Ansible, Creating Inventory file and Ansible Configuration files.
- Complete Build Automation using Jenkins Source code checkout, Unit/UI Test case result publishing.
- Using branching strategy for source code management and Ansible files in Git.
- Configuring and monitoring **SonarQube** for code quality and **static code analysis**.
- Explored and Implemented container-based deployments using **Docker**, experience with **Docker images, Docker Hub** and **Kubernetes**.
- Responsible for creating jobs in **Jenkins** and monitoring daily operations in **Jenkins**.
- Maintaining of Backend interface and **CRON** jobs.
- Support daily build and product release.
- Monitor Build and provide proactive support to resolve build issues.
- Implemented AWS EC2, IAM, S3, EBS, Elastic Load balancer (ELB), Autoscaling.

Environment: GitHub, Git, Jenkins, Maven, Ansible, Apache Tomcat.

Project 2: LAM IT Transformation

(Mar 2017 – May 2019)

Role: DevOps Track Lead

Description: Create, enable and implement CI-CD pipeline for all applications which are present at entire PODs in Leading Bank at LAM Region.

Roles and Responsibilities:

- Leading DevOps Distributed track as well as DevOps Mainframe Track.
- Issue triaging and escalation whenever required
- On call support on critical issues reported by the application teams, support team and customers
- Responsible for doing POC for new tools and implement CI-CD pipeline for all Apps
- Overseeing the implementation of code quality & code review tools.
- Conducting training for DevOps tools which are present in the Bank
- Involved in creation of Weekly Status Reports, Monthly Milestone report and sharing with the client as well as internal team.
- Responsible for configure entire tools setup to new joiners in the team
- CI/CD automation using Jenkins for Java and .NET Application
- Responsible for creating jobs in **Jenkins** and monitoring daily operations in **Jenkins**.
- Maintaining of Backend interface and **CRON** jobs.
- Support daily build and product release.

Environments: RTC, Jenkins, Maven, Nexus, Appscan, IQ Server, Junit, SonarQube & Linux, G3, JIRA

Project 1: O and I - CC and CQ Migration

(Jan 2015 – Feb 2017)

Role: DevOps Engineer

Description: Migration of VOBs from ClearCase to GIT/BitBucket, ClearCase to SVN, ClearQuest to JIRA & build artifacts from ClearCase to Jfrog Artifactory Pro

Roles and Responsibilities:

- Responsible for migrate both UCM and Base VOBs from **ClearCase to BitBucket**.
- Expertise in migration requirement analysis and checklist preparation.
- Responsible for migrate VOB from **ClearCase to SVN**.
- Configured and migrated application from **ClearQuest to JIRA**.
- Resolving stakeholders queries in Bitbucket/SVN
- Responsible for migrate build artifacts from **ClearCase to Jfrog Artifactory Pro**.
- Coordinating and fixing issues related to SCM Tools (GIT and SVN).
- Responsible for the providing user roles and creating appropriate access in the system.
- Involved in the creation of Automation Script for migration process to migrate multiple VOBs at a time and got appreciation from client.
- Attending the daily status calls walkthroughs both internal to the team and with client.

Environments: ClearCase, ClearQuest, Bitbucket, SVN, GIT, JIRA, Artifactory, Powershell

Certifications and Awards

- Achieved “**Spot Award July 2017** “from Infosys Technologies, Mexico.
- Won “**Quality half yearly R&R Ceremony Award for 2017**” from EQS unit at Infosys, India.
- Infosys DevOps Professional Certification
- DevOps – Development to Deployment
- AWS Concept – Udemy
- Docker Essentials – Udemy

Personal Interests

- Technical Writing, Ideating and brainstorming.
- I’m fond of Cooking and love to travel when I’m free