

Sonali Gosewade

3.5 years of experience in software development in the area of DevOps Methodology and Infotainment system development. Well versed with new-age software development methodologies like Agile development.

PROFILE

Senior Engineer with 3.5 years of experience.

Proficient in developing Continuous Integration/ Delivery pipelines with experience of automation tool Jenkins.

Good hands on knowledge of version control tools such as GIT, RTC and SubVersion.

Knowledge of containerization tool Docker.

Knowledge of configuration tool Ansible.

Knowledge of cloud computing tool GCP.

Followed Agile practices during various client projects.

PROJECTS

Project Name — MBRDI Continuous Integration and Delivery (Latest)

Description: The project involves designing and implementation of continuous integration, continuous delivery using Jenkins as CI tool. The team provided the generic CI framework that is to be used for other projects with minimal changes.

Responsibilities:

- Setup Continuous integration with Jenkins and make use of wide range of plugins available to setup smooth developer friendly workflows.
- Involved in setting up Jenkins Master and multiple slaves for the entire team as a CI tool as part of Continuous development and deployment process.
- Integrated Jenkins with JFrog Artifactory to store the project artifacts.
- Used Bash and Python Scripts to automate workflow
- Created Ansible playbooks to automatically install packages from a repository, to change the configuration of remotely configured machines.

Project Name — Instrument Cluster Development of Dessert Runner

Description: The project involves development of instrument cluster using the UiCockpit framework for the client. Application layer is developed on Kanzi. Business logic is in C and Cpp. Source code management was in Rational Team Concert (RTC).

Responsibilities:

- Understanding the requirements specifications for the feature.
- Create and design the feature interfaces using IBM Rhapsody
- Feature implementation of the IC by understanding UiCockpit framework in C and C++
- Performing Units Test, Static analysis on developed feature
- Defect fixing & understanding hardware
- Supporting subordinates for getting better understanding of the project.

CONTACT

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EXPERIENCE

Tata Elxsi, Pune — Senior Engineer

10-2017 - PRESENT

Role: Developer/Devops

SKILLS

Languages:

C, Python, Shell Scripting, Groovy

Tools:

Jenkins, Docker, GIT, JFrog Artifactory, RTC, Ansible, Grafana, Eclipse IDE, Jira, Kubernetes

AWARDS & APPRECIATION

Appreciated at client site for adhering to deadlines, crisp communication with client and providing logical and valid solutions.

Project Name — Android Automotive Development

Description: The project involves around creating generalized middleware layer, which is independent of the application layer. Application layer will be in either Qt, Kanzi, EBGuide. Instrument Cluster logic is in Cpp. IVI system is in Android.

Responsibilities:

- Creation of CI framework for build, integration and deployment of code using Jenkins.
- Setting up Git repository and server for source code management.
- Execute Jenkins job using Jenkins pipeline feature. Design approach to fetch jenkinsfile from GIT and execute it.
- Use master slave approach. Launch Jenkins job in Docker images that are installed in slave machine.
- Worked on installation of Docker for code building and deployment. Created custom Docker container images, tagging and pushing the images.
- Development of Python and shell scripts for automating setting up of Git server and build environment.

Project Name — Tata_Q5

Description: Infotainment developed by Visteon for Tata Motors. HMI is designed in Kanzi Studio and Business Logic is implemented in C++ Language. The project involves the feature Implementation and Defect fixing of HMI Application.

Responsibilities:

- Feature implementation of the HMI in C++
- Defect Fixing & understanding Tata Q5 HU Hardware
- Understanding and Flashing methods
- Feature Testing of HMI
- Visit client location to understand the infotainment system and fixing of defects.
- Fixing of compiler warnings for all the modules.
- Fixing of coverity warnings for all the modules.
- Provided solutions that added to form a quality software.

Project Name — Design and Implementation of Continuous Integration flow.

Description: The project included automation of build, test, and promotion. Python and shell scripts were used for development of automation scripts. The team provided the generic CI framework that could be used for other projects with minimal changes.

Responsibilities:

- Worked as a team member, learned and developed Continuous Integration for the project.
- Implemented end-to-end flow for various HMI variants.
- Integrated RTC with Jenkins.
- The code builds and code promotion were automated using Python and shell scripting.
- Implemented local repository approach to store build images.
- Studied and implemented various DevOps tools such as Docker, Nagios, JFrog Artifactory to be proposed to the client.

EDUCATION

B.E. | 2013 -2017

Computer Engineering
Institute: St Vincent Pallotti College of Engineering and Technology, Nagpur
CGPA: 8.44

H.S.C| 2011-2013

Institute: Maharashtra State Board

S.S.C| 2010

Institute: Maharashtra State Board

LANGUAGES

English, Hindi, Marathi

ABOUT ME

Date of Birth: 01/01/1995

Marital Status: Single

Nationality: Indian