

Manikandan S M

📍 Marathahalli, Bengaluru

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Expertise

OS Platforms

- Linux
- Windows

Tools

- GitHub
- SVN
- GIT
- ClearCase
- Jenkins
- Collabnet
- Synopsys
- Jira
- ClearQuest
- Docker
- Klocwork
- Code collaborator
- Gerrit
- Git-tf
- Fossology
- blackduck
- Kubernetes
- Azure and GCP

Script

- PERL
- Shell
- Batch
- Make
- CMake
- Python Basics
- Groovy

Professional Summary

Total **12.6** years of experience in **DevOps, SCM, Build, Release and integration engineering**

Aug -2019 – Present
Organization

Technical Architect -DevOps

Elektrobit India Private Limited, Bengaluru

Jun 2014– Aug 2019
Organization

Lead Engineer - DevOps

NXP Semiconductor, Bengaluru

Sep 2012– Jun 2014
Organization

Senior Engineer – SCM

Robert Bosch Engineering and Business solution, Bengaluru

Jul 201– Sep 2012
Organization

IT Analyst

Tata Consultancy service, Chennai

Jul 2007– Feb 2010
Organization

Project Engineer

Wipro Technology, Chennai

Roles & Responsibility

In **Elektrobit**

Position: **Technical Architect – Devops**

Department: PJ Org.

- Set up and handle CI/CD environment for the organization
- Setup Kubernetes for container orchestration and cloud deployment.
- Setup and maintain SonarQube and Jenkins masters and configure jobs
- Independently handle the overall build infrastructure in our environment
- Established the harmonized branching strategy across the organization
- Maintain Docker containers and files to establish Infrastructure as code
- Power user of GitHub, Jenkins
- Responsible for Android platform integration for own product.

Accomplishment

- ✓ Lead the team and bring up the team in the technical aspects
- ✓ POC on the ML and project Flow implementation

In **NXP Semiconductor**

Position: **Team Lead – Devops**

Department: BU Automotive

- Handling Software Configuration Management for different car radio
- Setup Jenkins server configure Jobs & maintain build slaves (Virtual Machine)
- Power user of SVN, Synopsys, Jenkins and Collabnet
- Setup and maintain build environment for the build slaves
- Established branching strategies for parallel development
- Maintain and configure projects in Protex server for open source compliance
- Ensure quality delivery configured daily builds for MISRA and CWE check
- Porting scripts as required
- Independently maintain the overall build infrastructure in our environment
- Generate and maintain Configuration items across different projects
- Script for customer package generation

Accomplishment

- ✓ Piloted CMake in our environment and awarded for the same
- ✓ Introduced Role based permission in Jenkins
- ✓ Enabled build with libraries to hide the source code for third party developers

In **Robert Bosch**
Position: **Senior Engineer**
– **Devops**
Department: CMIS

- Handling Software Configuration Management for the different variants of IMX platform independently.
- Setup and support build environment for the developers.
- Automated manual steps with help of scripts (Shell, PERL, and Batch)
- Maintain different streams across different variants/projects
- Improved the efficiency of the process using Scripts (Shell, PERL, and Batch).
- Script adaptation across different platforms (Linux and Windows)
- Merging of codes from different streams
- Organized brainstorming session for GIT and other SCM tools
- Acting as OSS co-ordinator for platform code

Accomplishment

- ✓ Handling different platform build environment simultaneously
- ✓ Configured Jenkins to perform auto flashing on nightly builds software
- ✓ Appreciated for establishing OSS auto scan scenario.

In **TCS**
Position: **IT Analyst**
Project: OmniPcx

- Handling Software Configuration Management for OmniPCX project independently
- Project creation in ClearCase for new releases
- Enhance the ClearCase environment for the ease of developers (triggers and wrappers)
- Merging of code from other releases
- Maintain the integration/fix stream of the releases
- Daily production and baseline generation for defect prevention
- Change Request (CR) management in ClearQuest for various releases
- Terminal RPM and binary integrations
- Automated the SCM process with the help of scripts (PERL and shell)
- Maintain and support production environment for the developers

Accomplishment

- ✓ Implemented triggers in the ClearCase environment to improve build process
- ✓ Handled Build and Release Management independently for 2 products
- ✓ Developed script in shell for sync of binaries between servers

In **Wipro**
Position: **Project Engineer**
Project: Motorola Mobile Development

- Handling Software Configuration Management for Mobile project independently
- Project creation in ClearCase for new releases
- Merging of code from branches for releases

Academics

B. Tech (2003-2007)

- Completed Bachelor of Technology in Information Technology at SRM University with 8.5 CGPA

Declaration

I hereby declare that the above-mentioned information is correct up to my knowledge and I bear the responsibility for the correctness of the above-mentioned.

Place: Bengaluru
Date:

Manikandan S M