

Rajib Lochan Mangaraj

System Test Manager



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📍 Pune, Maharashtra, India

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📅 02/01/1988

⌚ male, Total exp: 15 yr

Skills

ISTQB (International Software Testing Qualifications Board) Foundation Level Certified Tester ● ● ● ● ●

ADAS product/function experience ● ● ● ● ●
Camera (External, Incabin Driver Monitoring System), RADAR

Functional Safety concept (ISO 26262) ● ● ● ● ●

Team Leader for HKMC, SYMC and Daimler project ● ● ● ● ●
A team of 11 members

Automotive protocol knowledge, Vector tool (CANalyzer, CANoe) ● ● ● ● ●
CAN, Flexray, experience with Vector tools

CAPL ● ● ● ● ●
automation through scripts.

UDS ● ● ● ● ●
UDS on CAN

C# ● ● ● ● ●
Certification from NIIT

Project Inter-location transfer ● ● ● ● ●
SUZUKI Airbag sys test (China to India), Test Management Competency (China to India)

System Test Manager for HKMC Airbag / Toyota/VW ADAS project ● ● ● ● ●

Test Planning, Test Analysis, Test Design, Test implementation, Test execution, Test reporting, Monitoring ad control, Effort and cost estimation

Active and Passive safety product knowledge ● ● ● ● ●
(Airbag, ABS, ESP, APB)

People management ● ● ● ● ●

Jazz, JIRA, GIT, Gerrit ● ● ● ● ●

Requirement Document ● ● ● ● ●
DOORS, Quality Center, IMS

Python ● ● ● ● ●

Lab equipment handling and calibration support ● ● ● ● ●
DSO, Temp chamber, Programming power supply, Function generator, Amplifier etc

German A1 language ● ● ● ● ●
A1 level certified

Resident Engineer (customer interface) ● ● ● ● ●
SPOC in R&D team for all customer communication

Profile

Keen to explore the processes & technologies involved in the dynamic & fast growing field of automotive industry. I am a passionate learner and enthusiastic about transferring my professional achievements in the field of Automobile technology.

Work Experience

11/2024 – present

Pune, India

System Test Manager, Magna International (Magna Electronics)

- Responsible for managing all aspects of system test (Test Management and Strategy, System Integration & Qualification, and Vehicle test activities) related to DMS EU programs from India.
- Provides technical leadership in directing the efforts of cross functional engineering team in the development and release of all relevant engineering deliverables in compliance with the product development process and/or customer expectations
- Ensures engineering timing plans, defect / issues lists, risk assessments, lessons learned are created and maintained and provides engineering status for project reviews (e.g. gate, design, milestones, etc.) according to program timing for all assigned projects.
- Ensures proper development of HIL/SIL systems that align with globally defined platform strategy and footprint
- Responsible for hiring and developing team members that are part of the System test organization locally and report to Sr. Manager - USA
- Manage External/contract resources, including onboarding/offboarding/renewal process
- Responsibilities include, interviewing, hiring, training, reward and disciplinary actions, and performance appraisals of employees

04/2023 – 11/2024

Bangalore, India

Test and Validation Lead Engineer and System Test Manager,

Continental Autonomous Mobility (India) Pvt. Ltd

- Verification and Validation Lead Engineer and System Test Manager for multi function camera product and RADAR (ADAS).
- Ensures test planning, test design, test implementation, test execution and test closure activities.
- Know-how on generic camera functions (object detection (OD), lane detection protection (LDP), sign recognition (SR), traffic jam assist (TJA), automatic emergency steering etc.) and RADAR functions (Adaptive cruise control (ACC), Rear Cross Traffic assist (RCTA), Lane change Assist (LCA) and Blind spot detection (BSD) etc.).
- Drive system test and vehicle test team for urgent customer reported issues and issue fix strategy.
- Effective resource planning for multiple projects at same time.
- Preparation and participation in MLC reviews for the product

12/2018 – 04/2023

Bengaluru, India

System Test Manager and Team Leader, Continental Automotive India Pvt Ltd

- **System Test Manager** for BC3, CN7, SU2r, SU2i, SU2b, QY, BR2, BI3, SP2i, BDPE, RJPE, HK3, HK13, HK31 projects.
- **Team Leader** for HKMC, SYMC and Daimler projects. A team of 11 members

- **HKMC(Hyundai and Kia motors) AWARD for defect free deliveries.**
- Ensure Test planning, Test Analysis, Test Design, Test implementation and test execution for the project.
- Test management for maximum **functional safety product - Airbag (ASIL D)**. Defining test strategy based on **functional safety** aspect.
- Create, run and analyze automated test results.
- Know-how **ASPICE** assessment process. PCC and customer audit experience.
- **Defect and Risk management**
- **Root cause analysis** (A3 process).
- Leading smoke test identification as a part of Process improvement topic (**BEAST**)
- Involvement in Integrated safety solution for India market

07/2016 – 11/2018
Bengaluru, India

System Test Engineer, Continental Automotive India Pvt Ltd

- **System testing** for Airbag Control Unit for YW5/6 project of SUZUKI, BMW and SAIC
- **TC design** for different airbag test modules (Switches, Crash matrix, EDR strategy, End of line programming).
- Reviewing test reports and reporting Bugs.
- **Setting up test automation environment** and execution of system test activities with closed loop functional test systems.
- Experience in environmental tests like shaker test and pendulum test.
- Develop testplan for Airbag control unit in production environment.

06/2010 – 07/2016
Coimbatore, India

Test Engineer, Robert Bosch Engineering and Business Solutions Limited

- VIVA (Virtually Integrated Vehicle Analysis) is an **endurance test** for Vehicle Chassis system ECU's (**ABS, ESP, APB**) to scan ECU failures with systematic variation of different parameters.
- Requirement gathering for the project
- **HIL test bench setup.**
- To understand Test motive, preparing test plan
- Performing task like ECU flashing, Check behavior of signals, make system error free, CAN tests etc.
- Analysis of errors and findings reported during VIVA test.
- Timely updating the customer regarding the test result.
- Creation of the test documentation.
- **Quality process** (RADAR process, Review, PDC) and Delivery.

Certificates

- ISTQB Foundation level certified tester
- German A1 language
- C# basic
- TestExec
- Python (ongoing)

Education

09/2014 – 06/2017

Bachelor Of Technology - Electronics and Communication engineering,
Kalinga University

06/2006 – 06/2009	Diploma in Electronics Engineering , Nettur Technical Training Foundation
06/2003 – 06/2005	Class XII (Physics, Chemistry, Math, Biology) , B.J.B. College
06/2002 – 06/2003	Matriculation , S.C.B. High School

Languages

English <i>Speak, Write, Read</i>	● ● ● ● ●	Hindi <i>Speak, Write, Read</i>	● ● ● ● ●
Odia <i>Speak, Write, Read</i>	● ● ● ● ●	German <i>Read</i>	● ● ● ● ●

Interests

Cricket, Badminton, Reading Articles