

# 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**

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

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**Functional Safety concept (ISO 26262)**

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

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

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**CAPL**  
automation through scripts.

● ● ● ● ●

**UDS**  
UDS on CAN

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**C#**  
Certification from NIIT

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

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

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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)

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**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

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**German A1 language**  
A1 level certified

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

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## Profile

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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

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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

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

## Education

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09/2014 – 06/2017

**Bachelor Of Technology - Electronics and Communication engineering,**  
*Kalinga University*

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

**Languages**

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

**Interests**

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Cricket, Badminton, Reading Articles