

Onkar Maradkar

Software Engineer Lead

Skills

Team Leader

Model Based Developer

Hardware In Loop Tester

Chassis System Engineer

Software

MATLAB

Simulink

dSPACE ControlDesk

dSPACE ConfigurationDesk

CANalyzer

Reactis

VBA Programming in Excel

Certifications

dSPACE ControlDesk

dSPACE ConfigurationDesk

Contact Details

Address

A/P Angar, Tal. Mohol, Dist.
Solapur, India 413214

Phone

9096994936

E-mail

onkarmaradkar@gmail.com

Date of Birth

29th Oct 1994

Nationality

Indian

Experienced [Model Based Developer and System Engineer](#) with over [6 Years and 5 Months](#) of experience in [Automotive Industry](#). Excellent reputation for resolving problems and improving customer satisfaction.

Work History

2022-Aug –
Current

Model Based Developer and System Engineer

Capgemini Engineering, Pune

- Total 7 months of experience in Model based development and MIL Testing
- Working as Technical Team Lead

2016-Oct –
2022-Aug

Tata Consultancy Services Ltd, Pune

- Total 5 years and 10 months of experience out of which 2 years in Model based development, 1 year in HIL and 2 years 10 months in System Engineering
- Proficient in MATLAB (Simulink) Automotive Application Development using MBD process.
- Proficient in Hardware in Loop Testing for Chassis ECU.
- Hands on experience in Model Based Development, MIL, SIL, HIL and Code to Model
- Proficient in VBA for Excel Tool Development.
- Have Onsite work Experience in HIL at Nissan Motor Co Ltd Japan

Accomplishments

- Received "Outstanding Contribution in Delivery – Team Award (ER&D)" Award
- Recognition as a Star of the Month employee for excellent MBD Modelling and Debugging skills.
- Created Full Hardware in Loop Testing setup at offshore
- Trained multiple associates for Model Based Development
- Currently leading MBD Team and Managing the Deliveries
- Created Automation scripts for MIL Testing
- Created VBA Tool to Analyze the EIPF Test Scenarios
- Supported in ECU Validation using CANalyzer Tool
- Supported higher management in Non-Technical work

Project Details and Responsibilities

Capgemini Engineering, Pune

Project: Powertrain RCA Algorithm Development

Tools: MATLAB, Simulink

Client: RNTBCI

Responsibility 1:

- Analyze received Inputs and distribute the task according to team members availability
- Update the Model, Dictionary file and complete the MIL process
- Review of tasks completed by other Team Members

Marital Status

Married

LinkedIn

www.linkedin.com/in/onkar-maradkar

Languages

Marathi, Hindi and English

Interests

Watching Web series and Movies

· Team Management for Task Distribution, Task completion management, Defect Management and Task

Tata Consultancy Services Ltd, Pune

Project: Chassis Domain Module (CDM ECU)

Tools: MATLAB, Simulink, Reactis, dSPACE

ConfigurationDesk, dSPACE ControlDesk, CANalyzer

Client: Nissan Motor Co. Ltd.

Responsibility 1:

- Analyze received Model and Specifications and search for queries and create a document to verify differences
- Specification to Model creation and make it Autosar Compliant using Embedded Coder
- Utilizing the Reactis tool to create testcases to verify structural coverage of Model
- Wrote functional testcases to achieve functional coverage

Responsibility 2:

- Worked on MicroAutoBox and SCALEXIO to perform HIL Testing
- Using dSPACE ConfigurationDesk and dSPACE ControlDesk to check the ECU performance
- Using CANalyzer Tool to Validate and Analyze ECU

Responsibility 3:

- Worked on code to model creation of Body Motion Control and converted the model from fix to float
- Worked as reviewer for Simulink Models likes Digital Assistant, Vehicle Motion Control etc.

Responsibility 4:

- In system Engineering, worked on Specification Creation for Vehicle Motion Control
- Coding in VBA to Automate the Process.
- Worked on Kaizen Process to improve the current process and reduce the time and efforts required.
- Currently leading the Team for Bench Validation of ECU and System Engineering Activities

Education

2013-08 -

B.E.: Electronics & Tele Communication

2016-05

JSPM RSCOE - Pune

2010-07 -
2013-05

Diploma: Electronics & Tele Communication

SVERI's COE - Pandharpur

2009-06 -
2010-04

Matriculation

KSBPV - Angar