CV Yadnyesh Bhangale

System Test Engineer (Automotive)

Address: T4, Annapoorneshwari Mansion, Bellandur Main Road
Bellandur, Bangalore-560103
Phone : +91 84312 24929
Email : yadnyesh.b@gmail.com
Skype ID : live:yadnyesh.b

Profile

- +7 years of experience in Embedded System/Software Testing, Test setup and Test Analysis (R&D) with leading automotive multinational.
- Expertise in **Setting up HIL** systems for testing of complex Embedded control systems with excellent troubleshooting skills.
- Experience with Automated test scripting and execution for CI/CV purposes and functional tests.
- High amount of experience in Black Box and Gray Box testing @ **HiL/SiL** and **Bench** test.
- Proficient in Analysis of ECU data output based on Electronic Brake System knowledge.
- Excellent **Issue reproduction skills** from field on bench level.
- Technical Automotive domain knowledge in Braking systems.
- Knowledge and experience in testing of BUS communication protocols such as **CAN**, **Flexray**, **LIN**.
- **Excellent verbal, written** technical and business **English**.
- Admired for well organized and user friendly documentation and tutorials.
- Basic Project Management, Client interaction, Cross cultural networking.

Professional Experience

Continental Automotive Components India Pvt Ltd. (VEhicle Dynamics)

Jan 18- till date	**Summary : Module Lead, System testing @ HiL/SiL/Bench** - **Creation of an Test Automation solution** for Continental Specific HiL via VB.net. - Automated test scripting via **Jenkins** for Continuous Integration demands at SiL environment. - Black/Graybox Testing at System and **subsystem** level for Electronic Braking system products. - Manual testing on Lab Bench, SiL and HiL environments. **Highlight :** VED Test Engineering "**Key User**" for location Bangalore and Recognized as VED Global level 2 Expert.
August 16 - Dec 17	**Summary : Module Lead, Experience based test, Test Analysis, Team Management and Closed Loop Simulation** - Transfer of Vehicle level System tests(Failsafe, Diagnostics and Man machine Interface) to HiL environment for Asian OEMs including test selection for various abstractions. - **Defining team related processes** via close coordination with department teams and overseas internal customers from Europe, Japan and China. - Create **Automation** of tests on IPG HiL systems. - **Closed loop Simulation setup** creation on IPG Carmaker HiL environment. **Highlight :** Awarded with VED, Technical Center India **Star performer** for the Quarter for Q1'17.
July 14 - May 16	**Summary : Experienced based test and Automated BUS Release tests @HiL** - Testing of Electronic Braking system for a Swedish OEM project including release and new development tests at Closed Loop HiL environment. Responsibility of regular update of HiL system based on new Vehicle builds and variants (BUS/ Variant coding updates) - Build base automation test scripts in C for a new test strategy related to "**BUS TX Signal Situation tests**". - Intermittently responsible for **diagnosing production issues at customer location** (Indian OEM). - Took opportunity to perform IO Check tests for an Indian OEM at customer location. **Highlight :** 3 months work experience at VED HQ, Frankfurt on experienced based test for Swedish OEM project.

June 12 – June 14	**Summary : Automated BUS release testing @ HiL** ● Part of 2 month long Continental India Corporate Entry training program. ● Embedded Software testing : Analyzing the SW requirements of Customer product specification and the internal Vehicle BUS Requirements specification. ● Creating Test Scripts for CAN related automated tests mostly at application level using **black box** techniques. **Highlight :** Nominated as Star of the month (Technical Center India)

Visteon Technical and Services Center, Chennai, India (Student Intern)

Sep 11 – May 12	**Project : Automated Multimedia Product testing** ● An automated approach for testing of multimedia products was developed. The quality of the testing was improved by incorporating various testing parameters like Display, CAN messages and audio output testing. ● Test tool developed in VB.net to automatically test the ID3 tags send via CAN protocol (flow control) in various Chinese/Japansese fonts.

Trainings

- ISTQB Foundation level - CTFL
- IPG Carmaker with Hil Add on
- Dale Carnegie Leading Self Program
- 3 Months **advanced training** at Continental, Iasi, Romania related to system test process and test scripting for Continuous Integration for highly sophisticated VED products.
- 3 Weeks HiL simulation setup training at Continental, Shanghai (VED HiL system).
- **6 months advanced training on closed loop HiL simulation** and **Automated testing** at Continental Teves, Frankfurt, Germany. (IPG HiL system).
- **3 months advance Closed loop testing (manual test) training** at VED base location, Frankfurt.

Education

- Master's Degree in Automotive Electronics from VIT, Vellore, India with Gold Medal honour (CGPA 9.36/10).
- Bachelor's degree in Electronics Engineering from NMIMS, Mumbai, India (CGPA 3.51/4)

Computer Software Skills

Tools	IPG Carmaker Usage and Programming. Jenkins Eclipse (for C++) Measurement and Data analysis packages Usage of special Hardware like Data Acquisition system, **HIL** (Continental specific and **IPG**) Vector **CANAlyzer**, **CANoe**. **CAPL** Scripting. Use of Configuration Management tools : **MKS**, **Git** ; Microsoft Office 365
Languages	Embedded C, C++ programming, VB.net, **Python**, **PyQt**, Excel VBA, Carmaker MiniManoeuver

Personal Details

DOB	17-Oct-1988
Languages Known	English (Fluent) , German (Very Basic)
Interests	Playing Violin, DIY projects