KRISHNA

VALIDATION ENGINEER

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OBJECTIVE:

➢ Having 3 years of experience in AUTOMOTIVE VALIDATION.Iam having experience on Infotainment validation & ADAS validation.Proven ability to assess and manage the work with in time.

PROFESSIONAL SUMMARY:

➢ Having 3 years of experience as a validation engineer in automotive industry in vehicle Infotainment and Adas.

➢ Hands on experience in Automotive Infotainment software verification and validation, good knowledge about **CAN, CAN TP** and **UDS** protocols

➢ Extensive understanding in reviewing and executing requirement test plans and Test cases by using **Rational Doors**.

➢ Having Good experience of **CANOE** Tool in project with **Measurement setup window, Simulation window,Trace window,IG block,Graphical window,Panel window**.

➢ Good Exposure about creating **configuration data base.**

➢ Having experience in Using **Harnes** for **Bench level testing** .

➢ Extensive understanding in Software Development Life Cycle where **Verification & Validation** model is used.

➢ Have Testing Knowledge in different **HMI** Functionalities like **Bluetooth, USB, Navigation,FM, Android Auto and Car Play,** User profiles.

➢ Having good experience on Bluetooth profile like **AVRCP,A2DI,GAP,SAP,MAP.**

➢ Knowledge on Various testing like **Smoke Testing, Functional Testing, Regression Testing, Sanity Testing, Exploratory Testing, KPI Testing, Thermal Testing and Stress Testing.**

➢ Having good experience on configuring and validating various **Diagnostics Services** and **DTC,DID and RID**.

➢ Having good experience on important services id 10,11,14,19,22,2E,3E,27,28.

➢ Worked on Adas features like **RVC,MVC,ULTRA SONIC PARKING SENSOR.**

➢ Simulating nodes by execution of **CAPL** scripting.

➢ Ability to identify the **Bugs** and **Raising the Tickers and Tracking.**

➢ Having exposure on **HIL** bench Setup Testing.

PROFESSIONAL EXPERIENCE:

➢ Currently working as a Validation Engineer in **TATA ELXSI** , **Chennai** from

Mar2020 to till date.

EDUCATIONAL QUALIFICATION :

➢ Bacholer of Engineering at **AMET UNIVERSITY**,CHENNAI,TAMILNADU.

Automotive Testing Tools	CANoe (VN1630A), CANalyzer
Programming Language	CAPL Scripting
Communication Protocols	CAN, CAN TP, UDS
Requriements analysis	Rational doors
Flashing Tools	USB and ADB
Operating Systems	Windows 7/8/10
Bug Tracking Tool	JIRA

EXPERIENCE SYNOPSIS:

Project : 1

Project:	Tata hexa nav
Client:	TATA
Role:	Validation Engineer
Environment:	Infotainment Test Bench

Responsibilities:

- Automotive In-vehicle Infotainment Software Verification and Validation.
- Analyzing and Reviewing the System Requirements given by the requirements team.
- Creating and Executing Test cases based on the Acceptable requirements.
- Flashing the Software in the infotainment using USB, ADB Commands and UDS Protocol.
- Having good knowledge on test bench setup. Having good Experience on the test harness.
- Sending signals through canoe tool and executing the Testcases in infotainment.
- Validating different Features like Bluetooth, USB, Navigation, FM, Android Auto, Car Play.
- Performed testing on Bluetooth profiles are GAP,SAP,MAP,AVRCP,HFP & A2DP.
- Executive functional testing like Smoketesting,Adoch testing & Regression testing.
- Performing validation of HMI Functionalities such as AC, BLOWER and SPEED by sending Signals from canoe tool.
- Testing User interface while Infotainment system is connected via Android Auto and Car-play.
- Verification and configuration of various DTC's, DID's, RID's by using Unified Diagnostics services.
- Working with ADB Commands by using tera term for extracting serial logs.
- Identifying and raising tickets for features which are not as per the requirements.
- Reporting Bugs and Tracking the status of ticket by using JIRA tool.

Project : 2

Project:	Tata RVC & UPA
Clinet:	TATA
Role:	Validation Engineer
Environment:	ADAS TEST BENCH

Responsibilities:

- Having good experience on the validation of the RVC and USPS.
- Having good experience on preparation of Test cases for CAMERA AND SENSOR.
- Having good experience on validation of Camera and Ultra sonic parking sensor.
- Having good experience on SID like 10,11,14,19,22,2E,3E,27,28.
- Having good experience on the flashing of ADAS ECU by using EASY TOOL.
- Having experience on CAPL Scripting.
- Ability to identify the BUGS and I can able to rise the TICKET and TRACKING.

DECLARATION :

I hereby declare that above mentioned information is correct to the best of my knowledgeand belief.