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| ***OBJECTIVE*** |

Secure a key leadership position in a fast growing technology oriented company with potential and varied responsibilities for advancements.

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| ***SNAPSHOT*** |

* Having **14 years** of experience in Verification and Validation, System design, and Project Management for Electronic Control Systems in automotive domain
* Strong domain & System knowledge in different **Automotive ECU’s**.(Transmission, Chassis, Driver Information, and MFD)
* Good Experience in **System** **Integration Testing, Vehicle testing and Bench testing**.
* Participating in Program Review, Requirement Review, Automated Test case design & Review and customer meeting.
* Having good experience in **Hardware In Loop testing**. Preparing other integrated modules using NI Labview and dSPACE.
* Good understanding and hands on experience on CAN Network, CAPL scripting and NI Labview **MATLAB, Python, dSPACE ControlDesk, Automation Desk**.
* Worked in Design Verification Method (DVM) and Failure Mode Effective Analysis (**FMEA**) for Electronic Control Systems.
* Involved in the development of a Complete Vehicle Test setup using NI Labview.
* Successfully managed programs from program kick off till product delivery.
* Involved in Effort Estimation & tracking, time management, test planning, reporting, managing the test projects, written and oral communication skills, test preparation, scripting and manual execution.
* Strong knowledge in V-Model, Global 8D problem solving process, 5-why process, and Fish Bone diagram.
* Proficiency in SDLC (Software Development Life Cycle) processes and software validation processes.

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| ***SKILL SET*** |

Programming Languages : C, CAPL (CAN), PYTHON.

Testing : **Vehicle & System testing, Manual, Automation**

Automotive Software Tools : **INCA,**Vector **CANalyzer, CANOe, CANape.**

Automation Testing Tools : dSPACE Control desk, Automation desk LABVIEW, AVD and MVD.

Defect Tracking : E-tracker, Clear Quest.

SW Configuration Management : Webtop,Clear Case, TCSE, DOOrs.

Protocols : **Flexray**, CAN, LIN, Class 2, J1939 and I2C.

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| ***WORK EXPERIENCE*** |

**At Jaguar Land Rover, Coventry, U.K** October 2013 – Present

System Test Engineer: Roles and Responsibilities

1. Improving Automation capability and usage of **HIL benches Using dSPACE**.
2. Developing Automation Scripts in dSPACE Automation Desk for 8HP, 9HP, and PHEV team. Responsible for any update in Automation test scripts. Knowledge share to other teams.
3. Initiated in improving the Diagnostics tests and increased the Test coverage. Collect the test reports from Supplier for Diagnostics test which were not tested in UK.
4. **Joint system testing** with Supplier in Germany for software sign off and also for Hot Environment test in USA to check software robustness.
5. Validation of the Control Unit hardware & software on Vehicles and HIL Test Rigs to

new programme timing milestones.

1. Documentation of Control Module Engineering Sign-off to Design Verification

Procedures.

1. Problem solving, including experience of fault finding/system de-bugging, having regular meeting with software team to close the open issues.
2. Coordinating Test team in India.
3. Part 1 testing & prepare sign-off report for new software streams.
4. Development of improved test processes &procedures through automation or other efficiency gains

**At Caterpillar Inc., Peterborough, U.K** June 2011 – Sept 2013

Engineer: Roles and Responsibilities

1. L6e Validation lead for Articulated Trucks and BCP Programs.
2. Ensure on-time delivery of quality software to customer for pilot and production machines.
3. Coordinating UK, US & India-based software validation/testing teams.
4. Develop Integrated Machine System Bench Test Specification and test plans.
5. Execute test plans; resolve root cause of any issues.
6. Requirement coverage and test defect analysis.
7. Performing Machine Testing and getting **Customer Sign-Off.**

**At Visteon Software Operation, Chennai** Mar 2004 – Apr 2011

Senior Software Test Engineer**:** Roles and Contributions

1. Project scheduling and estimation & quoting. Resource and work-task allocation, review of work products and constant customer interaction.
2. Designed validation test cases for automation test scripts using TMM, CAPL scripts and **LABVIEW** to simulate multiple Nodes in a system.
3. Conducting configuration management, change control, and defect tracking

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| ***EDUCATION*** |

* Bachelor of Engineering (Electrical & Electronics Engg.), First Class, University of Madras, 2003.