CURRICULUM VITAE

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Date of Birth   : 09-May-1992 in India
Marital Status   : Unmarried
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Education Details:

June 2009 – June 2013:   D.Y.Patil Institute of Engineering & Technology ,University of Pune, India (Bachelor of Engineering)

Stream Of Study   :   Electronics Engineering (63%).

Tools and Technical Skills:

➢ Products worked FCM (Front Camera Module), VGM(Vehicle Gateway Module), BCM (Body Control Module) & ACC(Adaptive cruise control).
➢ Programming Languages: Basics of Embedded C, CAPL & Python.
➢ Test Automation Framework Vector HIL Test Bench.
➢ Protocols worked CAN,CAN-FD,LIN,ETH, UDS and KWP200.
➢ Test Management tool Integrity PTC,MITE, Polarion ,JIRA & DOORs.
➢ Defect tracking tool Integrity PTC ,JIRA and IBM Rational Change.
➢ Requirement Tracking tool Integrity PTC ,DOORS and Polarion.
➢ Test Environment Vector HIL Test Bench
➢ Tools and software CANoe, CANalyzer , CANape, Synopsys defensic tool , ODIS tool, ODX/PDX Creator, Audi SFD tool, Golden Algo, & CAN-StressTool
➢ SDLC V-model and Agile.
➢ Protocol Standard: ISO-27032,ISO-26262 ,ISO-13400 and ISO-15765 .

Work Experience   : 7 Years and 1 months of Experience in Testing Automotive Domain.

May 2021 – Present: Senior System test Engineer for Cyber security of Front Camera module at Magna electronics Electronics, Customer: Audi

➢ Requirement Analysis and Performing Test Design of Cyber security module.
➢ Performed testing for Secure Communication
➢ Performed testing for Secure Diagnostic
➢ Performed testing for Key management system (VKMS)

- ➢ Performed testing for Secure flash
- ➢ Performed testing for Firewalling
- ➢ Performed testing for TLS & DTLS
- ➢ Performed testing for Secure logging
- ➢ Performed Fuzz (Defensic) testing for Ethernet using Synopsys defensic tool
- ➢ Performed KPI automation for Lane detection using Python
- ➢ Performed Overnight flashing automation using Python
- ➢ Scripting Test cases in **Dspace Autodesk**.
- ➢ Responsible for Cyber security ASPICE Audit

June 2017 – May 2021: Senior Software Engineer for Vehicle Gateway Application at APTIV
Customers: GWM (Great Wall Motors)

- ➢ Requirement Analysis and Performing Test Design.
- ➢ Scripting Test cases in **C**AN **A**ccess **P**rograming **L**anguage and Execution.
- ➢ Protocol testing for Ethernet, CAN and LIN
- ➢ Performed CAPL and Python scripting to automate the test scenarios
- ➢ Performed Diagnostic testing for Ethernet, CAN and LIN
- ➢ Rest-bus script creation for various modules

Software Engineer for Body Control Module Application at APTIV
Technical Centre India
Customers: GWM (Great Wall Motors) and Changan Motors.

- ➢ Performed HIL (Hardware in Loop) testing of Body Control Module Components using Vector Test Bench (HIL Setup).
- ➢ Requirement Analysis and Performing Test Design.
- ➢ Scripting Test cases in **C**AN **A**ccess **P**rograming **L**anguage and Execution.
- ➢ Performed validation for Power-Mode , Sleep current, Wiper & Key Search modules.
- ➢ Performed Diagnosis Communication tests with UDS Protocol for BCM.

April 2015 – May 2017: Software Engineer for Adaptive Cruise Control at KPIT technologies Pvt.Ltd., Bangalore
Customers: Jaguar and Land rover.

- ➢ Performed System Verification and Validation for Adaptive Cruise Control
- ➢ Preparation CAN timing related tests, DTC related tests
- ➢ Debugging and testing using Trace32.
- ➢ Requirement Analysis and Performing Test Design
- ➢ Involved in preparation of Traceability for prepared test cases against requirements.

Languages Known:

🇬🇧 Expert

Social Competences: Decision Making, Patience, Problem Solver, Leadership, Flexibility and Perseverance.

Hobbies: Badminton, Table-tennis, Watching Movies, Playing TV Videos games and Playing Cricket.

Tanaji Jadhav

Pune