

AKASH POOJARY

Senior Test Engineer Infotainment / ADAS (Automotive)
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PROFESSIONAL SUMMARY

ISTQB Foundation Level 1 certified software tester with over 4.5 years of experience in the automotive domain, specializing in Infotainment and Advanced Driver Assistance Systems (ADAS). Currently serving as a Senior Test Engineer for the Volkswagen Group via KPIT Technologies in Ingolstadt, Germany. Proven expertise in functional, regression, and end-to-end testing with a strong focus on Audio, Bluetooth, and Voice Recognition. Skilled in using Audi toolchains including Idex, CPtool, KPM, and EsoTrace Viewer. Proficient in defect management, requirement analysis, and end-to-end validation. Demonstrated success in global infotainment projects, including VinFast in Vietnam, with a track record of delivering high-quality software solutions through collaborative and detail-oriented testing practices.

PROFESSIONAL EXPERIENCE

Senior Engineer – KPIT Technologies | Ingolstadt, Germany | July 2024 – Present

- Led Audio Management as the Work Packet SPOC, mentoring team members and driving cross-brand issue resolution for Volkswagen Group brands including Audi, Porsche, and Volkswagen.
- Identified, documented, and prioritized defects; monitored issue progress and collaborated with developers to ensure timely resolution.
- Executed system-level test cases for ICB and Audio Management modules, ensuring thorough validation of integrated functionalities.
- Analyzed requirements and UI specifications to formulate effective test strategies and detailed test plans.
- Led bug triaging and field issue tracking, serving as the primary contact for escalation and resolution.
- Collaborated with global stakeholders to align testing efforts across markets and drive issue closure.
- Utilized Idex Engineering and CP Tool for diagnostics, software updates, and calibration across vehicle platforms.
- Validated end-to-end functionality through manual and automation testing of UI components and workflows.
- Produced detailed test reports and maintained traceability matrices to ensure coverage and compliance.

Senior Engineer – KPIT Technologies | Pune, India | Jan 2023 – Jun 2024

- Owned and evaluated JLR infotainment requirements in TRM, ensuring full coverage and traceability.
- Served as the primary liaison for infotainment issue resolution, delivering prompt support and insights.
- Executed HMI test cases leveraging the SOME/IP protocol to validate Audio, Voice Recognition, Bluetooth, and diagnostics functionalities.
- Performed smoke, regression, and functional testing to strengthen system reliability and user experience.
- Authored Gherkin-based automation test cases for AVAS, Cluster tones, and Diagnostics integrated into CI/CD pipeline.

Test Engineer – KPIT Technologies | Vinfast Manufacturing Plant, Hanoi, Vietnam | Sep 2022 – Dec 2022

- Designed and implemented end-to-end test cases based on HMI specifications for Audio, Voice Recognition, Bluetooth, Navigation, and more.
- Flashed and configured updated software builds on MHU and TBox hardware for system-level testing.
- Performed smoke, regression, exploratory, and end-to-end testing; logged defects using TFS tool.
- Captured and analyzed logs to support debugging and root cause identification.

Software Engineer – Cyient Limited | Bengaluru, India | Feb 2022 – Aug 2022

- Reviewed release tickets and optimized XCP configurations for ECU performance.

- Conducted software testing across ECU variants for integration and validation.
- Used PyQtstreamer to capture and activate camera views, improving ADAS visualization.

EDUCATION

Master's Degree in Computer Science and IT – Jain University, India

CERTIFICATIONS

ISTQB Foundation Level 1 Certified Tester

TECHNICAL SKILLS

Languages & Tools: Python, CAPL, Gherkin, PCAN, LIN, CAN, SOMEIP, TRM, codeBeamer, CPtool, JIRA, Confluence, Polarion, DOORS, CI/CD, Cucumber, TFS, XRAY

Testing & Validation: SDLC, Agile, Functional Testing, Regression Testing, Smoke Testing, End-to-End Testing, HMI Validation, Test Case Development, Defect Management, Requirement Analysis

Automotive Expertise: Infotainment, ADAS, Audio, Bluetooth, Voice Recognition, Alexa, Navigation, Climate Control, User Management, Test Case Design & Execution

Toolchains & Diagnostics: Audi Idex, CPtool, KPM, EsoTrace Viewer, A2B Bus Monitor, Torino, Mastercom, Platin

KEY STRENGTHS

- End-to-End/Field Validation and System Testing
- Defect and Requirement Management
- Automotive Infotainment Expertise
- Cross-Functional Collaboration