Hiro Tan Wei

Automotive Engineer · Vehicle Validation

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Nagoya, Japan

Summary

Automotive engineer coordinating vehicle validation for steering and suspension changes. Defines representative test conditions and gives design teams evidence they can use to reproduce issues and verify fixes.

Experience

Automotive Engineer

Kogane Ridge Mobility | 2021-07 – Present

- Built a validation plan for three suspension variants. Agreed loads, surfaces and repeat runs with the design lead before starting work.
- Traced a vibration report to a bracket tolerance. Used 16 comparative runs to isolate the effect and document the benefit of the revised bracket.
- Consolidated sensor and test records into a versioned evidence pack. Closed 11 incomplete checkpoints with test engineers before the release review.

Vehicle Test Engineer

East Inlet Vehicle Labs | 2018-04 – 2021-06

- Prepared instrumentation and ran proving-ground sessions under the approved test plan. Flagged data dropout and replaced affected runs.
- Compared measured vehicle response with the simulation team's predictions and documented deviations for investigation.

Education

BEng Automotive Engineering

Mizunara Institute of Technology | 2018

Skills

Vehicle validation · Test design · Sensor instrumentation · Failure investigation

Languages

Japanese · English · Mandarin