



Example of Vehicle Engineer Job Description

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Our innovative and growing company is hiring for a vehicle engineer. Please review the list of responsibilities and qualifications. While this is our ideal list, we will consider candidates that do not necessarily have all of the qualifications, but have sufficient experience and talent.

Responsibilities for vehicle engineer

- Programming experience in Java(J2EE), C, C++, JavaScript, HTML, HTML5, JQuery, PHP, JHTML, XML
- Working level understanding of Operating System designs spanning embedded RTOS, Android, iOS, Server, and Consumer Operating Systems
- Strong understanding and hands on experience in design patterns for web and messaging
- Background and experienced in development methodologies OF WHAT (of software used in new technologies) including Unified, Agile, Scrum
- Hands on experience with functional and performance testing OF WHAT (software used in vehicles) (manual, automated)
- Analyze and model dynamic systems and complex system interactions
- Process and interpret test data to guide control design
- Develop vehicle control algorithms for electrified powertrain to deliver vehicle attributes, including control architecture selection, algorithm simulation, implementation in MBD environment, and verification and validation via MIL/HIL/vehicle
- Initiate and lead research both internally and externally on advanced controls with applications in electrified vehicles and autonomous vehicles
- Support the quality processes (requirements development, functional safety - ISO26262, fault tree analysis, FMEAs, P-diagrams)

Qualifications for vehicle engineer

- Established network of homologation test labs, regulatory agents and regulatory body contacts
- Japanese language skill is a must
- Ability and willingness to travel at least 50% of the time within the country while supporting homologation activities
- Strong time management, planning, integrity, and teambuilding skills
- Ability to develop and maintain the respect and trust of government agency employees
- Ability to research regulatory requirements and effectively negotiate as needed