Downloaded from <https://www.velvetjobs.com/job-descriptions/diagnostics-engineer>

# Example of Diagnostics Engineer Job Description

Our growing company is hiring for a diagnostics engineer. To join our growing team, please review the list of responsibilities and qualifications.

## Responsibilities for diagnostics engineer

* Manage and track firmware related customer problems
* Using those specifications to design and develop diagnostic software for (1) ASIC, board and system bring-up
* Drive all necessary cross-functional efforts needed for the successful definition, implementation, and validation of assigned proactive alert capabilities on assigned vehicle program
* Perform on vehicle data gathering and testing as needed for algorithm tuning and calibration
* Understanding and implementing the California Air Resources Board OBD regulation requirements in the area of generic scan tool data relative to SAE J-1979 and SAE J-1699 standards
* Becomes a specialist of Monitoring & Diagnostic technologies and systems
* Provides quality compliance guidance throughout new product development, product changes and other internal projects
* Communicates quality goals and issues with technical and supporting team members, management
* Interacts with and coordinates with employees in a global company to support business unit objectives
* Leverages experience with quality system elements to develop and implement process improvements

## Qualifications for diagnostics engineer

* 3+ years experience with Matlab/Simulink tools, diesel engine and after-treatment operating principles, statistical analysis
* Knowledge of US OBD regulations (On-board Diagnostics)
* Experience with CAN communication tools (work and/or internship)
* Ability to read and construct circuit diagrams
* Experience in software calibration and/or diagnostics
* Experience with data management for CAN messaging and database