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# Example of Compiler Engineer Job Description

Our company is looking to fill the role of compiler 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 compiler engineer

* Devise multiprocessor/multicore partitioning and scheduling strategies
* Compiler testing process support
* You will reproduce and test HPC and Graphics applications
* You will analyze source and assembly code for correctness and performance
* Work on a team that is at the center of deep-learning compiler technology spanning architecture design and support through functional languages
* Work with global compiler, hardware and application teams to coordinate improvements and problem resolutions
* Apply and adapt latest compiler technologies to produce world-class, robust, supportable compiler and tools
* Participation in feature definitions
* Investigating ways to further automate the testing of the MATLAB compiler's front end
* Implementing test suites/testing APIs in MATLAB and C++

## Qualifications for compiler engineer

* 5 years’ experience testing or developing software in a production environment
* Excellent programming skills scripting languages (Python, PERL, shell scripting)
* Demonstrated strength in triage and isolation of complex issues
* Demonstrated proficiency reading, writing, troubleshooting build systems, Makefiles
* Prior experience in writing test plans, test development, test automation, test execution, and reporting in a production environment
* Demonstrated ability to analyze and troubleshoot issues facing production testing and drive improvements to increase test suite & engineering efficiency and effectiveness