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# Example of Compiler Engineer Job Description

Our innovative and growing company is searching for experienced candidates for the position 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

* Interaction with game teams to help them get the best out of our CPU toolchain
* Maintain zero known bugs
* Pursue excellence in all things!
* Design, develop and maintain test system used for automated GUI compiler IDE testing
* Develop automated tests for compiler plugins for Microsoft Visual Studio, Eclipse, XCode and other tools
* Track regular testing runs, proactively fixing infrastructure issues, analyze and fix test fails, submit bugs against developers
* Automate regular development and testing processes, setup new automated testing workloads for new versions of IDEs and compilers
* Build master responsibilities
* Analysis of stability issues found during testing of the product on different operating systems
* Development of test cases to cover new functionality and to increase code coverage

## Qualifications for compiler engineer

* BS in Computer Science or Electrical Engineering (MS or PhD strongly preferred)
* Code optimizations
* LLVM experience desirable
* Good understanding of programming languages is needed
* Parallel Programming Models, Languages and Runtime Systems
* MS in Computer Science or Electrical Engineering (PhD strongly preferred)