



# Example of Computer Hardware Engineer Job Description

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Our company is growing rapidly and is looking for a computer hardware engineer. To join our growing team, please review the list of responsibilities and qualifications.

## Responsibilities for computer hardware engineer

- Be the main point of contact for and manage the cooperation with different hardware accelerator suppliers
- Participate in component selection for hardware acceleration and contribute to the computer systems roadmap
- Develop and maintain a workflow from algorithm to efficient software-hardware co-implementation
- Advise software application owners and hardware platform designers on modern hardware architectures
- Be the owner of the Hardware Acceleration Competence and take part in other related competence groups
- Supervise study projects
- Research, design, develop, or test computer or computer-related equipment for commercial, industrial, military, or scientific use
- Supervise the manufacturing and installation of computer or computer related equipment and components
- Designs secure hardware architecture related to the development, operation, and maintenance of complex technology systems
- Conducts and leads program protection analyses for hardware systems

## Qualifications for computer hardware engineer

- Ability to characterize/reverse engineer existing applications

- Analyzes situations and implements solutions, or develop new system elements, procedures or processes
- Bachelor's Degree in a Science, Technology, Engineering or Mathematics (STEM) discipline from an accredited university and 9 years of computer hardware engineering experience OR
- Master's Degree in a Science, Technology, Engineering or Mathematics (STEM) discipline from an accredited university and 7 years of computer hardware engineering experience OR
- PhD Degree in a Science, Technology, Engineering or Mathematics (STEM) discipline from an accredited university and 4 years of computer hardware engineering experience