



Example of HW Engineer Job Description

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Our company is growing rapidly and is looking for a HW engineer. Thank you in advance for taking a look at the list of responsibilities and qualifications. We look forward to reviewing your resume.

Responsibilities for HW engineer

- Lab equipment automation including Oscilloscope, DC power supply, Signal Generator, VNA
- End to end ownership and ability to lead tasks
- Alignment and coordination with the different groups and disciplines inside and outside R&D
- Design and build jigs and prototypes
- Design and lead test plans
- Work closely with the extended ASIC design team to incorporate DFT tools and test methodologies into the ASIC design flows, facilitating the test ability of complex digital and mixed signal ASIC's
- Work with the ASIC and instrument design teams to develop and implement a test plan to address characterization, prototyping and production test needs
- Develop hardware and software for ASIC/Microcircuit specific package and wafer test systems utilizing the Advantest 93K test platform
- Provide test expertise to support first silicon turn on, ASIC characterization, and test suite deployment into manufacturing
- Root cause investigation and analysis of HW failures and issues

Qualifications for HW engineer

- Must have strong technical background at system or sub-system level in safety critical systems

- Must be well versed with industry standards and practices related to hardware architecture, design, qualification and certification
- Design for Manufacture and Assembly proficiency
- Attention to detail, disciplined work ethic, and strong organizational skills are a must
- Program language know-how for test automatization