



# Example of Silicon Validation Engineer Job Description

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Our company is growing rapidly and is searching for experienced candidates for the position of silicon validation engineer. We appreciate you taking the time to review the list of qualifications and to apply for the position. If you don't fill all of the qualifications, you may still be considered depending on your level of experience.

## Responsibilities for silicon validation engineer

- Lead validation engineers including technical direction/ramp, training, guidance and motivation
- Responsible and accountable for technical decisions and results with quality
- Closely work with stakeholders and drive technical alignment for the success of overall program
- Assist team members, to perform their duties, in the area of test development, HW/SW tools, Debug, , and propose methodology & technical solutions
- Work with management on strategic objectives and drive initiatives to meet organization goals
- Propose innovative methods, develop, deploy technical solutions and publish papers in industry standard conferences
- Stakeholders Relationship
- Build a collaborative environment across different Geos (Munich, Bristol, Singapore, etc) and partner for better technical solutions
- Become a key technical point of contact in Bangalore and expand to influence across MC D organization with positive impact in Post-Si validation area
- Technical spokesperson for the organization

## Qualifications for silicon validation engineer

- A Bsc\Msc degree in Hardware Engineering or Computer Engineering or Computer Science
- A knowledge in IA architecture / Operating Systems / SOC subsystems will be a plus
- Responsible for the development of methodologies, execution of validation test plans, test sequences and directed tests
- Work with sub-IP and SOC teams to integrate components and deliver the sub-system
- Develop test bench components like monitors, checkers, score-boards and bus functional models (BFMs)
- Run test regressions and debug failing tests to isolate and root cause failures