



# Example of Staff System Engineer Job Description

Powered by [www.VelvetJobs.com](http://www.VelvetJobs.com)

Our company is looking to fill the role of staff system engineer. If you are looking for an exciting place to work, please take a look at the list of qualifications below.

## Responsibilities for staff system engineer

- Participate in the circuit board level verification, signal integrity measurement, good experience of performance verification on DDR3/4 and eMMC, mainly focusing on the data (Read/Write) performance, Power performance, life time/reliability and DRAM driving/timing Test, debug board level issue (Not start, Slow start, Crashes, Blurred screen and Reboot)
- Support customer's product design, system architecture, familiar with the components selection, BOM cost control
- More than 4 years of circuit design and multilayer high-density PCB layout experience, familiar with Cadence Orcad/Allegro design tools, proficiency in simulation tools for PI/SI system analysis
- Customer schematic and PCB review, and deal with customer design/production issues, customer EVT, DVT, MP boards bring up/validation/FA analysis, and technical support
- Have program management experience, responsible for customer projects schedule, from design to MP, review and check issue in time, Sync with cross-functional team, balance risk/cost/benefit to meet customer needs
- Manages QMS documentation ensuring it is regularly updated reflecting the way the plant operates and the use of only active versions
- Perform audit and preparation of factory for all customers' visit and audit
- Manages factory stop build/stop ship and inventories purge
- Perform other related job duties as assigned and required
- Develop analytic software applications for use by the Development and Engineering community, typically in MATLAB and Python

- Research and development of a geo-distributed, highly available data management system
- Analyze requirements, design and evaluate key technologies of distributed transactions, replication, and consistency techniques to meet the requirements
- Review test specifications
- Minimum 3 years of experience in research and development of distributed data management system (databases/file system/storage system) with PhD in CS or a relevant field, or 5 years of experience with a Master's, or 8 years of experience with a Bachelor degree
- Experience with distributed system is required
- Proficient in C and C++ programming is required