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# Example of Staff Engineer, Systems Job Description

Our company is searching for experienced candidates for the position of staff engineer, systems. To join our growing team, please review the list of responsibilities and qualifications.

## Responsibilities for staff engineer, systems

* Establishment of System Architecture including inter Line Replaceable Unit (LRU) interfaces and Communications
* Requirements management and verification
* The successful candidate will use his/her background in systems engineering, process development and control, and electromechanical systems development to support a team(s) responsible for design elements that include electrical and mechanical systems design, anomaly investigation, troubleshooting and build, procurement, integration, and build support
* Translate new features and technology into system level requirements to support the early evaluation, development, design and validation processes
* Create advance electrical, electro-mechanical and mechanical system and component specifications and test procedures
* Maintain knowledge of the current technical state and new innovations relative to power electronics
* Act as a resource to mentor and teach less experienced engineers
* Architecting systems for the Analytical Instrumentation market
* Leading in Design Controls of new products
* Working with the R&D team to define innovate products

## Qualifications for staff engineer, systems

* Fully define interfaces in terms of origination, destination, stimulus, and data characteristics for software
* Ensure effective, periodic review and control of the evolving configuration of a system, both hardware and software components and associated documentation, during the life of the system
* Develop system design alternatives that consider life cycle cost, reuse, complexity, risk, system expansion and growth
* Establish and follow a formal procedure for coordination system integration activities among multiple teams, ensuring complete coverage of all interfaces
* Establish a process to formally and proactively control and manage changes to requirements, considers impacts prior to commitment to change, gains stakeholder buy-in, eliminates ambiguity, ensures traceability to source requirements, and tracks and settles open actions
* Participate in the development of system engineering documentation, such as System Engineering Plans and Standard Operating Procedures