Downloaded from <https://www.velvetjobs.com/job-descriptions/application-design>

# Example of Application Design Job Description

Our company is growing rapidly and is searching for experienced candidates for the position of application design. Please review the list of responsibilities and qualifications. While this is our ideal list, we will consider candidates that do not necessarily have all of the qualifications, but have sufficient experience and talent.

## Responsibilities for application design

* Maintain and update standard product line for continued cost effectiveness and manufacturability
* Acquire general knowledge of manufacturing operations, testing methods, materials and design capabilities
* Researches, collects, and reports information on the capability of third party vendors to supply standard and custom products to Alpha
* Responsibilities also include providing product functionality and capability reports to the sales force, and acting as technical liaison to the sales team
* Review basic industry standards to assure product line is in compliance
* Review new product designs for potential patentability
* Assist sales with customer development
* Prepare input for product bulletins and similar collateral as required to support Alpha products
* Provide technical training to selected Alpha customers and Alpha internal functions as required supporting the introduction and success of new products
* Work with customers closely to prevent/address issues from design execution

## Qualifications for application design

* Understanding of OSI layer and basic networking skills
* Big IP
* Demonstrates competency (or capability to be successful) in the ability to translate customer/business requirements into business solutions and successfully position with customers
* Bachelor, Master or Doctorate degree in relevant fields with 5+ years of experience in hands-on role in netlist-to-GDS activities of complex ASIC development projects
* Expert level hands-on experience with Logic Synthesis, Automated Place-and-Route, Physical Verification (LVS/DRC), Static Timing Analysis (STA) and Full-Chip Integration
* In depth understanding of product design and development on leading edge silicon technologies