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# Example of Principal Systems Architect Job Description

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

## Responsibilities for principal systems architect

* Participate in academic conferences
* Develop, integrate, unit and component Test Digital Cluster Applications for both Stand-alone, fully Digital Clusters and Integrated Cockpits (integrated with Infotainment, ADAS, HUDs and Intelligent Personal Assistant, etc)
* Ensuring the creation of manufacturing system architectures and taking the whole E2E chain into consideration and covering all stakeholder demands
* Drive the creation/renewal of system architectures for manufacturing systems and/or Industry 4.0 solutions
* Setting design specifications for new complex manufacturing equipment/lines based on own insights or from other relevant specialists
* Defining industrialization concepts for new products and defining the architecture of new complex manufacturing lines or Industry 4.0 data systems
* Shaping the product design into ‘design for manufacturing’ and ‘design for assembly’, participates in Design Reviews
* The whole concept of a manufacturing line on system level and the integration of sub-concepts
* The choice between make/buy decisions of parts or solutions
* Continuously expanding the technical expertise of dedicated core competence by maintaining a broad network of specialists intern and outside the company

## Qualifications for principal systems architect

* Recognized knowledge/expertise in field – in industry and/or within United
* Proven expertise in leading and influencing technical staff or coordinating work across multiple technology teams
* Airline/Transportation
* Expertise and experience in technical leadership roles implementing and integrating COTS/ERP solutions within the public sector
* Acquisition/procurement
* The candidate should have strong leadership and communication skills and possess a team spirit