



Example of Systems Engineer Principal Job Description

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Our company is growing rapidly and is hiring for a systems engineer principal. If you are looking for an exciting place to work, please take a look at the list of qualifications below.

Responsibilities for systems engineer principal

- Demonstrates product and technical knowledge and shares expertise within and across the team and organization
- Responsible for driving technology currency and decreasing technical debt within the organization
- Responsible for driving system capacity modeling and planning to ensure scalability of our systems
- Accountable for ensuring that IT projects adhere to defined principles, guidelines and standards
- Researches new technologies and determine how they apply to current and future business needs
- Captures lessons learned and owns converting them into new or updated documentation and works with others on their adoption
- Drives automation and template driven process standards to improve efficiency of the organization over time
- Drives the creation of program-level APIs, data models, and other best practices for specific projects, services, and integration points
- Participates in third-party system analysis to identify potential implementations and integrations
- Participates in the annual project portfolio activities including budgeting, forecasting, and ensuring alignment with the Technology Roadmap and corresponding strategies

- Experience in requirements development and/or design of system level software architecture
- Experience with of the current NCMC-ITW/AA maintained systems consisting of AME, ATM, CMP, CPS, DECON, EWS, GTE, MARS, MWMS, MWNS, NDPP, PDS-M, SADS, SDS, SISP, SPACOD, SYSOPS
- Design, development, and analysis of radar system and software architectures
- Experience with signal processing techniques in complex propagation environments
- Design experience in the following radar system areas
- Knowledge of and ability to work within the Agile Scrum development practice