



Example of Senior Principal Systems Engineer Job Description

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

Responsibilities for senior principal systems engineer

- Provide expertise and direction in engineering secure technical solutions for the existing Information System
- Apply engineering knowledge to monitor/assess spacecraft subsystem technical performance within cost and schedule constraints
- Lead the software development and systems integration process to ensure that the Company's data surveillance service continues to develop into a class-leading product
- Build backend components that are maintainable, flexible and scalable
- Define and follow a disciplined development workflow, including documentation of said systems
- Design, build, improve, maintain a process to move data through the data processing pipeline and warehouse
- Rapidly iterate on product and platform features by writing elegant, reliable and readable code to build robust products that last
- Be involved in all stages of development, from product ideation through architecture, documentation, implementation, testing, and support
- Continuously improve performance of data pipelines and user queries
- Serve as technical interface to the customer for assigned program(s)

Qualifications for senior principal systems engineer

- Working experience with high power RF transmitters and antennas, filtering

- Bachelor's degree (in Engineering, Computer Science or related field) or equivalent, Master's degree preferred
- Must have existing DoD Secret security clearance with the ability to obtain a Top Secret clearance and/or a SSBI/Special Access clearance
- Experience with end-to-end radar modeling and simulation radar waveform and mode development
- Radar signal processing synthesis and implementation using FPGAs
- DoD Secret Clearance preferred