



Example of Reliability Engineer Job Description

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

Responsibilities for reliability engineer

- Assume a leadership role in Plant Safety and Food Safety initiatives and compliance by owning and preparing assigned programs
- Participates in final check-out of new installations
- Work on high visibility and cutting edge technologies
- Collaborate with bright people
- Take part of a growing business
- Track losses and develop engineered solutions to repetitive failures, process failures, and any issues that could adversely affect plant operations
- Maintain daily communication with Operations to ensure assets are performing as intended
- Take a systems-thinking approach (machinery, equipment, controls, processes, utilities, safety, environmental, people) to ensure reliability
- Provide training to maintenance and operations personnel as needed to support the efficient and appropriate operation and maintenance of plant equipment
- Guide efforts to ensure reliability and maintainability of equipment, processes, utilities, facilities, controls, and safety/security systems

Qualifications for reliability engineer

- Able to rapidly learn & understand software by reading source code and stepping through code under a debugger
- Knowledge of reliability warranty analysis and reliability prediction methods,

- Knowledge of reliability growth techniques, such as Duane, Crow-AMSAA and Crow Extended
- Working knowledge of failure analysis techniques such as optical microscopy, SEM, CT, X-Ray, EDS
- Basic understanding of physics of failure
- Understanding of Monte Carlo Simulation