



Example of Staff Engineer, Development Job Description

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Our innovative and growing company is looking for a staff engineer, development. We appreciate you taking the time to review the list of qualifications and to apply for the position. If you don't fill all of the qualifications, you may still be considered depending on your level of experience.

Responsibilities for staff engineer, development

- Drive selection and qualification of critical partners for product development and manufacturing
- Perform feasibility studies for throughput, reliability, cost, ergonomics, and product quality
- Define specifications, critical parameters, test plans, SPC metrics and QC approaches for volume disposable devices and consumables
- Conceptualize families of opto-mechanical solutions and drive down appropriate selection processes to converge on final concepts and solutions
- Conduct Finite Element Analysis to ensure alignment stability for required environments
- Lead subsystem design reviews
- Lead subsystem integration, troubleshooting, characterization, and testing for prototype and pilot subsystems
- Aid in transfer of subsystems to manufacturing and the field by tracking issues, identifying root cause, and implementing permanent corrective action
- Provides expertise in cell culture, engineering, design and process and/or scale-up
- Assists the manufacturing operation in problem solving with regards to equipment and systems

Qualifications for staff engineer, development

- Proficiency with state of the art electrical engineering development tools is required
- Ability to work with other functions and facilitate activities from a systems integration perspective
- Expertise in development of cross-functional systems, including integration with analog/digital signal processing, electrical/electronic systems, software and optical systems
- Minimum 5 years of experience in design and development of precision instruments
- In-depth knowledge in mechanism, XY stage, thermal, machining, die casting and injection molding
- Good understanding of FDA requirements or exposure in medical device product development a plus