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# Example of Process Development Engineer Job Description

Our growing company is looking for a process development engineer. Please review the list of responsibilities and qualifications. While this is our ideal list, we will consider candidates that do not necessarily have all of the qualifications, but have sufficient experience and talent.

## Responsibilities for process development engineer

* Lead process sustaining, definition and improvement, design, development and quality test activities in the making of consumable products or support of processes/equipment used to sequence genomes
* Lead teams to develop and transfer new processes/products to production and enhance their robustness
* Lead or contribute to development cycles of new consumable products, including process definition, process development, equipment optimization, and metrology
* Define product-level specifications and requirements, and translate them to critical parameter management at a physical level in the process
* Implement model systems to reduce cycles of learning and time of process development
* Work with equipment vendors and foundries on requirement management, specification control, and prototyping of novel process workflow
* Work with cross-functional teams to scale prototype processes to pilot and production scale
* Define and implement process controls, in-line monitoring, and metrology for QA
* Deep dive on failure analysis and lead both short term containment and permanent solutions
* Data analysis of trends in yield and performance tied to process work flow

## Qualifications for process development engineer

* 6 to 12 years experience from BS, or 4-10 years experience from MS, or 2-5 years from PhD
* Communicator with SBUs, region, and global Process technology network
* Bachelor’s/Master’s/PH.D
* Work experience in the biotech, pharmaceutical or medical device industries is required
* Work experience in ISO, CLIA, CE-IVD, or IVD regulated industries is required
* Experience with liquid handling and filling technologies preferred