



Example of Automation Engineer Job Description

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Our company is looking to fill the role of automation 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 automation engineer

- Identify key opportunities in reducing operating costs through automation, insourcing, equipment efficiency, automated-guided-vehicles
 - Researches, cost justifies, specifies and negotiates the purchase of automated manufacturing equipment
 - Designs, orders, schedules, balances, and supervises the installation and relocation of manufacturing equipment
 - Researches, designs, flowcharts, and develops plant layouts on AutoCAD for automated machinery processes
 - Develops, learns, and trains others in the operation of all types of automated manufacturing equipment and processes
 - Troubleshoots, tests, adjusts, repairs and oversees automated manufacturing equipment and processes
 - Monitors and oversees compliance with all new and existing equipment and enforces all safety procedures, including Lock Out Tag Out (LOTO)
 - Participates on and lead projects, provide technical support and make informed decisions on hardware and architecture selection
 - Must be familiar with the engineering software AutoCad Electrical, and able to generate drawings for new and old install of electrical systems
 - Must be able to configure the hardware of the PC on which process control software is installed, and develop usable HMI, MMI user interfaces on both process control PC's and dedicated operator interfaces/touch screens
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- At least 1 year experience in Functional, Regression and Load testing suites
- Experience with Emerson DeltaV Distributed Control Systems and Rockwell/Allen Bradley PLCs preferred
- BS or MS in engineering or equivalent
- Experience with of laboratory automation systems, experimental workflow development, automated liquid handling processes, and software development for scheduling and controlling equipment
- Familiarity with biology a plus
- A B.S degree in Chemical, Mechanical, or Bio-Engineering, Biological Sciences, or related disciplines is required