



Example of Electrical Engineer Senior Job Description

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Our company is hiring for an electrical engineer senior. 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 electrical engineer senior

- Perform detailed design activities including one-line diagrams, three line diagrams, schematics, equipment specifications (conductor size, junction boxes, circuit breakers, fuses, disconnects), cable pulling calculations, voltage drop
 - Perform plant level electrical studies including load flow analysis, short circuit analysis, protective coordination, and arc flash studies
 - Stamp & Seal drawings as the responsible Electrical Engineer Of Record
 - Preparation of electrical engineering reports, calculations, drawings, and studies
 - Provide engineering support and associated training of junior engineers during construction, start-up, and commissioning
 - Provide support for manufacturer Factory Acceptance Testing (FAT)
 - Work on electrical engineering projects that may not be directly related to HV Substation Design
 - The successful candidate will be issued directives from the client and apply electrical engineering skills to plans and prepare design layouts, details of various electrical equipment and systems, and assist in developing bid and contract documents
 - This position may also entail preparing schedules, budgets and status reports
 - Good communication and willingness to work as part of a team will be keys to your success
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- Demonstrated ability to implement electrical controls systems in a manufacturing environment
- Good communications skills – must be able to develop specifications, proposals, RFP's and presentations and communicate effectively within the organization, both laterally and vertically
- Strong at articulating and justifying engineering tradeoffs and decisions
- Able to capture desired user needs and produce and refine innovative solutions to deliver them
- Programming experience using Python or C is a plus
- Bachelor in Electrical Engineering required with 5+ years of experience in the design of electrical components