

# RESUME REQUEST FORM

## Desired Candidate Qualifications

**JOB TITLE/LOCATION:** Electrical Engineer I - Senior Electrical Engineer II/ Houston, TX

**REPORTS TO:** Electrical Department Manager

### **COMPANY PROFILE:**

Waldemar S. Nelson and Company (NELSON) is a multi-discipline design and project management consultancy serving a wide range of industrial, commercial, and governmental clients across the U.S.A., and at selective international sites.

NELSON is a well-established firm based in New Orleans, Louisiana and an office in Houston, TX. With a staff of over 400 employees, NELSON provides professional services to its clients for projects both large and small.

NELSON has a competitive benefits package including healthcare, 401K, standard holidays, vacation/sick PTO, multiple work schedules to choose from which include half-day Fridays or every other Friday off.

[www.wsnelson.com](http://www.wsnelson.com)

### **JOB SUMMARY:**

NELSON is currently looking for electrical engineers at all levels to join their team supporting large multi-discipline projects for a large international electrical power generating company. The electric generating company has a dynamic portfolio of expansion and growth projects at multiple North American locations.

Electrical engineers should be prepared to lead, learn and actively participate in the development and implementation of electrical designs for miscellaneous projects. As an integral part of the electrical design team, an electrical engineer will be given the opportunity to grow and build their career with NELSON by:

- Developing electrical power generation, distribution, protection, and related control systems
- Preparing construction drawings and documents including equipment location plans, interconnect wiring diagrams, wiring schematics, cable and tray layouts, equipment supports, cable schedules, and lighting, etc.
- Developing electrical models and reports using various modelling software packages (e.g. SKM, ETAP, PLS-CAD, AmpCalc, ATP)
- Working with other team members including clients and vendors
- Accepting and using guidance from other engineers and designers on the team
- Participate in feasibility studies, equipment selection, equipment specification/procurement, design drawing development

### **QUALIFICATIONS:**

As a minimum, entry-level candidates are expected to have:

- Bachelor's Degree in Electrical Engineering from an ABET accredited university and 5 to 20 years of relevant experience in plant/facility electrical designs
- Knowledge in the principles and practices of engineering NEC, ANSI, IEEE
- Knowledge of appropriate software (MS Office, Teams, AutoCAD) and data analysis
- Ability to communicate effectively, both verbally and in writing to a diversely educated audience.
- Ability to develop and maintain awareness of occupational hazards and safety of yourself and others
- Skilled in following safety practices and recognizing hazards.
- Professional and detail oriented

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Other preferred qualities:

- Experience using software analysis tools such as ETAP, SKM, PLS CAD, or EMTP
- Upstream Oil & Gas production and exploration
- Mine design experiences