

Job ID: **RK52510A**
Job Title: Senior Electrical Engineer
Degree Requirements: BS Electrical Engineering
Years of Experience: 5
Type of Position: Direct Hire
Location: Raleigh / Durham, NC Area
Salary Range: \$65K - \$75K
Travel Required: <20%

IMMEDIATE DIRECT HIRE NEED for a Senior Electrical Engineer who has a minimum of 5 years work experience and a Bachelors Degree in Electrical Engineering for an ABET Accredited College or University. Full benefits. No relocation assistance is available for this position. The client prefers Local Candidates unless you are willing to relocate yourself to the Raleigh / Durham area.

The **MUST HAVE ITEMS** for this position are:

- Bachelors Degree in Electrical Engineering
- 5 years proven electrical and electronic circuit design experience
- 3 years proven experience applying digital control and algorithms to power electronics subsystems
- Understanding of Discrete Control Theory and Power Electronics
- Ability to analyze, troubleshoot and program Field Programmable Gate Array (FPGA) and complex programmable logic device (CPLD) devices
- Familiarity with common tools and methods to work in high power lab environment (oscilloscope, power analyzers and meters)

PLUSES for this position are:

- 3 years developing advanced digital controls and algorithms
- Experience with new product development efforts
- Training in Six Sigma concepts (Green Belt, Black Belt)

The **RESPONSIBILITIES** include but are not limited to designing, developing and testing power electronics and other electrical systems and subsystems for new and existing power quality products.

- Design and develop power converters & electrical systems for uninterruptable power systems & accessories
- Analyze & simulate power electronics systems (analog, logical, digital electronics)
- Participate in new product development
- Work closely with cross-functional teams
- Review product development requirement specifications (product management & customer requirements)
- Write & maintain functional specifications of design solutions
- Evaluate alternative design solutions meeting product development requirements
- Stay up-to-date on latest power electronics, embedded software, & controls strategies
- Apply knowledge & experience to power electronics applications
- Apply Six Sigma principles to the design and development process

If you meet these requirements and wish to be considered for this position, send your résumé to us using Word 97 -2003 at Resumes@PinnaclePlacementGroup.com mentioning the **Job ID** and the **Job Title** in the subject line of your email.

Please provide us a short narrative detailing your experience and expertise as it applies to this position.