Job title: Sr. Advanced Analog Design Engineer

**About the job**

**Job Title: Sr. Advanced Analog Design Engineer**

**Job Location: Canonsburg PA 15317  
   
 Onsite Requirements:**

* **Experienced in Analog Design for Power systems, AC-DC + DC-DC, High speed circuit design**
* **Proficiency in VHDL for hardware description and design.**
* **Experience with multilayer PCB design.**

**Job Description:**

* We are looking for an experienced Sr Advanced Electrical Engineer to join our Line of Business. The successful candidate will possess a strong background in Power system design, Electrical hardware integration, Troubleshooting High-speed digital design.
* Additionally, this role involves Designing and developing complex analog circuits Implementing VHDL code for hardware description Experience in the automotive, medical, or defense industries is highly desirable

**Key Responsibilities:**

* Design and analyze AC-DC and DC-DC power systems and power control.
* Integrate, test, troubleshoot, and verify electrical hardware.
* Design and develop analog circuits, including amplifiers, filters, power supplies, and signal conditioning circuits.
* Develop and implement VHDL code for hardware description and design.
* Design and troubleshoot high-speed digital circuits and systems.

**Preferred Skills and Experience:**

* Expertise in power system design
* DC/DC
* Buck
* Boost
* LDO
* AC/DC
* Proficiency with communication protocols such as CAN, SPI, I2C, and Ethernet.
* Experience with multilayer PCB design.
* Design of safety significant circuits.
* Background in automotive, medical, or defense industries.
* Proficiency in VHDL for hardware description and design.
* Experience in high-speed digital design.

* **\*\*3rd party and subcontract staffing agencies are not eligible for partnership on this position. 3rd party subcontractors need not apply.**
* **This position requires candidates to be eligible to work in the United States, directly for an employer, without sponsorship now or anytime in the future.**
* **This client is a US Federal Government contractor and is legally required to hire US Citizens. US Citizens will only be considered for this role\*\***