# The Position

**EngeniusMicro** is looking for a Senior Electrical Engineer, emphasizing FPGA and mixed-signal development, to join our multi-disciplinary staff. We seek a candidate able to work in a fast-paced environment through all phases of high-speed mixed-signal circuit design including analyzing signal data processing algorithms and developing presentations of results for technical briefings to leadership. The candidate should be a self-starter, be able to operate with minimal supervision, and be able to manage a team of engineers and technicians in completion of an electronic system design, development, and prototyping project.

Primary work duties include design, implementation, and programming of high-speed mixed-signal FPGA-based electronic systems for applications in RF and microwave systems.

# **Basic Qualifications**

This position requires applicants must have a minimum of a BS in Electrical Engineering, Physics, or similar degree field, and a minimum of 10 years relevant experience.

**Active Secret, or Interim, Clearance is preferred**. **This position requires the ability to obtain a US Security Clearance for which the US Government requires US Citizenship.**

# Required Skills / Experience

Experience and competence in the following areas is required:

* Modeling and Simulation using MATLAB / Simulink
* Digital Signal Processing / Signal Processing
* Signal Analysis using MATLAB / Simulink
* C/C++ programming languages
* FPGA development using VHDL
* Understanding of radar signal and data processing
* High-speed and mixed-signal circuit design
* Interfacing to sensors and high speed mixed-signal components
* Strong written and verbal communication skills
* Able to work well in a team environment
* Interpersonal skills and reporting practices

# Preferred Skills / Experience

Experience and competence in the following areas is preferred:

* Algorithm development, analysis, and testing especially with respect RF and microwave systems
* PCB design and layout
* Experience with programming embedded systems (Texas Instruments, Arduino, Microchip, Xilinx)
* Wireless communications
* Electronics packaging design
* Understanding of systems engineering and test engineering
* Proficiency with UNIX or Linux operating systems
* PERL script knowledge and experience
* Microsoft Office skills

# Why should you apply?

* You like solving problems and developing new technology in a fast-paced team driven environment
* You’re interested in building hardware and prototypes
* You enjoy strong technical challenges in a collaborative environment

\***EngeniusMicro is an equal opportunity employer. Qualified applicants will be considered without regard to age, race, creed, color, national origin, ancestry, marital status, affectional or sexual orientation, gender identity or expression, disability, nationality, sex, or veteran status.**