

Electrical Engineer II

Middleburg Heights, OH, US

Description:

As a member of a multi-disciplinary engineering team for delivering spaceflight, this position will contribute to mixed signal hardware design, development, and testing with an emphasis on digital logic design skills with VHDL for CPLDs/FPGAs and on microcontroller/computer systems and interfaces. Design new or modify existing products. Prepare technical specifications. Develop and conduct tests for hardware validation and verification. Work independently with supervision of senior engineers.

List of Specific Duties & Responsibilities:

- Digital Logic Design
- VHDL Design and Simulation
- Schematic Capture
- Mixed Signal Circuit Design
- Embedded Hardware Design
- Breadboard/Prototype Development
- Test and Documentation

U.S. CITIZENSHIP REQUIRED

Requirements

- Bachelor's degree in Computer Engineering or Electrical Engineering
- 2 or more years of experience or program of study focused on digital logic design (CPLD/FPGA) with programmable logic design software (Actel/Microsemi or Xilinx preferred), and electrical schematic capture software (Altium or MentorGraphics preferred)
- Excellent problem solving and troubleshooting skills; creativity in researching solutions
- Strong verbal and written communications skills

About Us

ZIN Technologies, Inc. is an award-winning AS 9100 registered small disadvantaged business (SDB) headquartered in Northeast Ohio. Established in 1957, ZIN is a leader in providing advanced engineering services and product development solutions for NASA, DoD and private industry.

ZIN provides full lifecycle development of aerospace systems including: design, development, engineering, integration, test, evaluation, orbital operations, systems modeling, simulation, verification, and validation. The flight hardware lifecycle spans concept definition, design, development, fabrication, verification, integration, launch, operations, and data processing.

We offer expertise in multi-discipline engineering, system and product development, production, and research and technology development. ZIN'S engineering capabilities include: systems, mechanical, electrical, fluids, propulsion, structural, thermal, integration and test.

ZIN has a strong heritage in the areas of Space Operations including: payload operations, space communications, navigation and network reconfigurable testbed. ZIN supports exploration systems (ORION, SLS, ISS, commercial vehicles) and space technologies (advanced communications, power, propulsion, cryogenics).

Our award-winning 250+ person organization consists of scientists, engineers, designers, and technicians. ZIN employs an integrated performance-based management approach, providing experienced people, proven processes and tools and exceptional cost, schedule, and technical performance while identifying and managing program and project risks.

Offering Unsurpassed Product, Process and Service:

- Prime contractor
- Sub-contractor
- Product manufacturer
- Value-added service provider

Company Benefits and Programs

In addition to competitive salaries, ZIN offers excellent benefits to our associates, including medical, vision, and dental insurance; short- and long-term disability; life insurance; paid leave and paid holidays; 401(k) retirement plan (immediate vesting); education and training reimbursement; professional development opportunities; employee assistance program; flexible spending plans; credit union membership; and direct deposit.

ZIN-Technologies, Inc. is an Equal Employment Opportunity Employer
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