

# Electrical Engineer

Middleburg Heights, OH

## Description

ZIN is proactively seeking an Electrical Engineer with analog/mixed signal electronics design experience.

## Responsibilities:

- Developing unit, module, and/or functional level requirements derived from system level requirements. The candidate will also be responsible for
- Developing associated architectures, implementing designs, performing detailed analysis, and unit-level testing in a laboratory setting. The candidate will
- Work in the product development team environment with system, mechanical, and software engineers.

## Requirements

- **U.S. CITIZENSHIP OR VALID GREEN CARD HOLDER REQUIRED**
- Bachelor's Degree in Electrical Engineering
- 5-10 years of analog/mixed signal electronics design
- PWA design in Altium or other industry design packages
- Understanding of circuit design and circuit performance analyses (i.e. Worst Case Analysis)
- This position may require occasional business-related travel.

## Preferences

- An understanding of power electronics including closed loop current control is a plus.

## About Us

ZIN Technologies, Inc. is a federal contractor and 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.

As a federal contractor, ZIN Technologies strives to comply with all applicable customer, federal, state, and local requirements, up to, and including, COVID-19 vaccine regulations. ZIN Technologies may require its employees to obtain full COVID-19 vaccination, provide proof of vaccination status as a condition of employment, provide documentation to substantiate a valid exemption, as defined by law, and/or comply with all safety protocols related to COVID testing, mask wearing, and physical distancing while in covered contractor workplaces.

**ZIN-Technologies, Inc. is an Equal Employment Opportunity Employer**  
Minority/Female/Disabled/Veteran