

Software Engineer III

Middleburg Heights, OH

Description

ZIN is seeking an experienced Software Engineer with embedded software skills to support the development of human-rated space vehicle avionics and subsystem software.

Responsibilities:

- Work with space programs and flight projects associated with the International Space Station (ISS), visiting vehicles providing logistics to ISS, the Orion crewed spacecraft, the Gateway lunar outpost, and lunar landers.
- Work will include:
 - prototyping
 - requirements definition
 - design
 - development
 - test and verification
 - integration
 - certification of embedded software

Requirements

- **U.S. CITIZENSHIP OR VALID GREEN CARD HOLDER REQUIRED**
- Bachelor's Degree in Computer Science or related discipline
- 5-10 years of embedded software design
- Strong C/C++ programming skills, Object Oriented Analysis and Design (OOAD), and experience with Linux.
- Must have very strong technical skills in Real-time Operating Systems (e.g., VxWorks) and bus communication (e.g., 1553, RS-422, RS-232, USB, Ethernet).
- Must have significant experience in the entire software life cycle.
- Must be flexible, open to new challenges in a dynamic environment, and possess strong technical expertise combined with strong verbal and written communication skills

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