



Embedded Systems Engineer (Gyroscopes/Accelerometers)

Gladiator Technologies, Inc. (www.GladiatorTechnologies.com) is a growing advanced technology designer and manufacturer of robust high performance MEMS inertial sensors (gyros and accelerometers) and systems (including IMU's, AHRS, and GNSS-aided INS). These advanced technology products are used around the world in various applications including aerospace & defense, rail, motorsports racing, automotive testing, airborne, sea and land image stabilization and other markets.

We are currently seeking a full-time Embedded Systems Engineer to join our team at our Snoqualmie, Washington location. Our ideal candidate will be a skilled technical hands-on engineer with practical experience in relevant Sensors, Systems and/or Guidance and Navigation roles. Must have the ability to work well in a dynamic and highly motivated team environment. Our work environment is fast-paced and requires team members to have technical aptitude and be detail-oriented, to learn quickly and have organizational skills, but most importantly to have a positive attitude and enjoy their job and their peers.

As an Embedded Systems Engineer at Gladiator Technologies, you will play a crucial role in the design, development, and implementation of microcontroller based embedded digital multi-sensor based systems, inertial navigation systems and software for our products. Your primary focus will be on microcontroller-based systems, ensuring high performance, stability, and scalability. You will work closely with cross-functional teams to deliver reliable and innovative solutions that meet our customers' needs.

Responsibilities:

- Design, develop, and test embedded systems and software with a strong emphasis on microcontroller-based applications.
- Collaborate with hardware engineers to define system architecture and interfaces, specifically for microcontroller integration.
- Write and maintain efficient, reusable, and reliable code in C/C++ or other relevant programming languages.
- Develop and execute test plans to ensure the functionality, performance, and reliability of microcontroller-based systems.
- Debug and troubleshoot hardware and software issues related to microcontrollers, providing effective solutions in a timely manner.
- Participate in the full product development lifecycle, from concept to deployment and support.
- Optimize system performance and resource utilization to meet product requirements.
- Create and maintain technical documentation, including specifications, design documents, and user manuals.
- Stay updated with the latest industry trends, technologies, and best practices related to microcontrollers and embedded systems.
- Work collaboratively with cross-functional teams, including hardware engineers, software developers, and product managers, to achieve project goals

Qualifications:

- Bachelor's or Master's degree in Electrical Engineering, Computer Engineering, Computer Science, or a related field.
- Proven experience (5+ years) in embedded systems development with a strong focus on microcontrollers.
- Proficiency in programming languages such as C, C++, and Assembly.



- Experience with embedded software development tools and environments (e.g., Keil, IAR, GCC, etc.).
- Deep understanding of microcontrollers, including ARM, PIC, AVR, or similar architectures.
- Familiarity with communication protocols such as I2C, SPI, UART, CAN, etc.
- Experience with real-time operating systems (RTOS) and embedded Linux.
- Solid understanding of software development methodologies.
- Excellent problem-solving skills and attention to detail.
- Strong communication and teamwork skills.
- Ability to manage multiple tasks and projects simultaneously, meeting deadlines effectively.

Preferred Qualifications:

- Experience with Python based applications.
- Experience with wireless communication technologies (e.g., Bluetooth, Wi-Fi, Zigbee).
- Knowledge of cybersecurity principles and practices in embedded systems.
- Familiarity with FPGA programming and VHDL/Verilog.
- Experience with automated testing and continuous integration/continuous deployment (CI/CD) processes.
- Understanding of power management and battery-operated systems.

Language Skills:

Ability to read, analyze, and interpret general business periodicals, professional journals such as ION, technical procedures, or governmental regulations. Ability to write reports, business correspondence, and procedure manuals. Ability to effectively present information and respond to questions from groups of managers, clients, customers, and the media.

Reasoning Ability:

Ability to define problems, collect data, establish facts, and draw valid conclusions. Ability to interpret an extensive variety of technical instructions in mathematical or diagram form and deal with several abstract and concrete variables.

Physical Demands and Work Environment:

The physical demands and work environment described below represent the activities and surroundings of the positions.

The work is typically performed in an office environment, with a moderate noise level. Frequent presence in the manufacturing and test area is required, where the noise level is moderate to loud with the dust, vibration, and potential chemical exposure that is typical for a small component production environment.

To perform the job, the employee is frequently required to talk and hear on the telephone/TEAMS and in person with individuals and groups. The incumbent is required to read and respond to documents in hard copy and electronic form. The incumbent may need to carry materials weighing up to 50 lbs. and need to bend, kneel, stretch and stand during shift.

Compensation:

The compensation range for this position is \$130,000 to \$160,000 and is based on experience level, and credentials. The Company offers the following competitive benefits package that attracts, retains talent, and encourages a healthy work / life balance:

- Annual Performance Bonus



- Annual 401k match
- Medical, Dental and Vision insurance
- Life, AD&D and Long-term Disability insurance
- Variety of discounts for electronics/cell phones, financial services, childcare, groceries, travel, entertainment, and many more
- Various voluntary insurance benefits like legal services, short-term disability, term life insurance and many more
- 17 days of Paid Time Off (PTO) per year based on experience level
- 8 paid Holidays throughout the year
- Monthly cell phone stipend based on position and requirements of cellular usage

Because this position requires potential access to technology controlled under the International Traffic in Arms Regulations (ITAR) or the Export Administration Regulations (EAR), the successful candidate must be a "U.S. person" as defined in the ITAR and EAR. In order to be a U.S. person for ITAR and EAR purposes, you must: (i) be a citizen or national of the United States; or (ii) be a lawful permanent resident (i.e., "green card holder") of the United States; or (iii) have been admitted to the United States as a refugee, or have been granted asylum, provided that you have applied for naturalization within six months of the date you first became eligible, and if not yet accepted, you are actively pursuing naturalization after two years from the date of your application.

Apply Online: jobs@gladiatortechnologies.com or fax us a resume and cover letter: 425-396-1129 (*no phone calls please*)

Gladiator Technologies is an Equal Opportunity Employer and Drug Free Workplace