

Sr. Software Engineer (Real Time Systems)

NAVSYS Corporation – Colorado Springs, CO

Job Summary

It is becoming increasingly clear that our society's reliance on GPS is a potential economic threat that needs a scalable and affordable alternative. Our company is currently developing a suitable GPS alternative using other signals of opportunity to provide users with GPS quality time and position even if GPS is not available. This challenging position offers an experienced Software Engineer an opportunity to take software currently running on our system prototype and mature it into a maintainable stable baseline suitable for a new product intended to provide critical timing and position data.

We are looking for a C/C++ software developer with broad experience and strong hardware and firmware integration skills who can figure out "how to make it work". This position requires an experienced self-starter who is able to jump in and hit the ground running but is equally able to work efficiently on a small team or to perform individually. This position will primarily support our product development team in San Diego California, and depending on experience, skill, and other factors, telework is a possibility.

Responsibilities will include:

- This individual will be expected to define a suitable process, coding standard and development methodology that is commensurate with a product intended to support critical infrastructure
- This individual will be hands-on and will develop detailed software requirements, specifications and software test plans based on project/product specifications
- This individual will take an existing R&D software baseline, and modify and test it as needed to bring it into compliance with the newly defined processes and coding standards
- This individual will need knowledge and experience to also modify low-level software as needed to interface with the hardware
- This engineer will serve as the technical lead on this project

The following are highly desirable for consideration:

- Domain experience with software defined radios (SDRs)
- Domain experience with inertial navigation systems (INS)
- Domain experience in GPS, A-PNT, DSP, or DoD space navigation programs
- Development experience in generating or integrating computer security/encryption
- Strong organizational/planning/multi-tasking skills
- Knowledge of Open DDS

Job Requirements

The following are requirements for consideration:

- **U.S. citizenship required.** At a minimum, must be security clearance eligible. An active Secret or Top-Secret Clearance is a plus
- Applicants selected will be subject to a government security investigation and must meet eligibility requirements for access to classified information
- 10+ years of experience designing, implementing, and testing C and C++ Software
- Experience using Object-Oriented Architecture/Design (OOA/OOD)
- 5+ years of experience with developing software for real-time systems
- Strong problem solving and software debugging skills
- Experience working with Windows and Linux OSs, and Real-Time VxWorks
- BS degree or higher in Electrical Engineering, Aeronautical Engineering, Computer Science, or a related technical discipline

Salary and Benefits

NAVSYS offers a competitive salary and comprehensive benefits package which includes medical, dental and vision plans, life and STD/LTD disability insurance, a 401K retirement plan, vacation and holiday leave, and an educational assistance program.

Salary: \$111,000.00 - \$170,000.00 per year dependent on experience, skill level, and extent to which the candidate meets desired requirements

Company Summary

Founded in 1986 by Dr. Alison Brown, NAVSYS is an established, growing, and well-respected R&D firm breaking ground in GPS, inertial navigation, and communications products. NAVSYS was the recipient of the prestigious 2007 SBIR Tibbetts Award. NAVSYS offers a learning and development environment with access to cutting edge technology. We are located at the foot of the breathtaking Rocky Mountains in Northern Colorado Springs. If you are looking for an exciting and challenging, fast-paced environment, apply to join our team! NAVSYS is an Equal Opportunity Employer. Read more about our company at <https://www.navsys.com>.