

Senior Software Engineer - Spatial Data, C++

Based in BEAUTIFUL Bozeman, Montana we produce electronic precision farming products used worldwide. We're looking to add a Senior Software Engineer to our team of developers. We offer competitive pay, top-notch benefits and a compelling work/life balance to keep our employees happy, healthy, and loyal. If you're a Senior Software Engineer with experience in spatial data structures and algorithm implementations, then we may be the perfect fit for you!

REQUIRED SKILLS:

- 1.) Spatial data structures and algorithms
- 2.) C++
- 3.) BS (4 year) and/or MS in Electrical/Electronics Engineering, Mathematics, Computer Science or Computer Engineering or equivalent

DESIRABLE SKILLS:

- 1.) Linux
- 2.) Qt
- 3.) Subversion
- 4.) Python
- 5.) SQLite
- 6.) OpenGL
- 7.) GNU Make, CMake or other build tools
- 8.) 5+ years of experience in machine control software design and development for heavy equipment (off-highway, J1939, ISO11783)
- 9.) Good knowledge and experience with/of bare metal programming or RTOS platforms is a plus
- 10.) Good knowledge and working experience with Embedded Linux or with other embedded operating systems
- 11.) Experience with GUI Development (UI/UX) for mobile machinery
- 12.) Experience in modeling and simulation of software and systems
- 13.) Knowledge of wireless and wired communication (CAN, Ethernet, GPS, Bluetooth, Wi-Fi, cellular) technologies/protocols/applications
- 14.) Experience in requirement engineering and management

YOUR RESPONSIBILITIES:

- Design, develop, and test software for agricultural vehicles
- Develop documentation, flowcharts, layouts, diagrams, charts, code comments and clear code
- Operate software development tools, technical and other equipment to perform engineering tasks
- Use microcontrollers to develop control signals, implement control algorithms, measure process variables and filter inputs all as a means to implement solutions for electromechanical systems
- Recommend, plan, and lead software development improvement initiatives
- Implement and utilize state-of-the-art analytical tools and techniques in the area of software development and reliability
- Develop or direct software system testing or validation procedures

PERKS:

- Competitive Salary and Excellent Benefits
- Annual incentive bonus
- Comprehensive benefits plan, including 401(k) with company match
- Education assistance/reimbursement
- Paid time off coupled with a healthy company culture

If you are a Senior Software Engineer that meets our requirements, and you're interested in working to provide the food that feeds the entire planet, please apply today!

JOB TYPE:

Full-time

LOCATION:

Bozeman, MT or Springfield, IL (Required)

WORK AUTHORIZATION:

United States (Required)

TO APPLY: Please submit resume to: careers@teejet.com