# Sr. Manufacturing Software Engineer

**Help reduce global warming!**

NevadaNano is seeking a Senior Manufacturing Software Engineer with deep experience with Linux and Object-Oriented Programming Systems. The candidate must have strong knowledge with both front-end and back-end programming languages, including PHP, MySQL, and NodeJS. The ideal candidate should have a good understanding of Big Data applications, OLAP and distributed transactions working with AWS and in-house data centers.

NevadaNano is the emerging market leader in a $44B market that identifies and tracks hazardous chemicals in air using the internet.  Our mission is to protect people, property, and the planet by becoming the premier resource for consumer, enterprise and global data on industrial emissions and air quality, both indoor and outdoor.   As a key member of our start-up team and stock option participation in our growth, you will help us provide actionable data for industries, cities, homes, automobiles, and workplaces to reduce global warming and improve the health of people around the globe.  Your contributions will be vital to our success and to the health of the planet.

Responsibilities:

* Manage, sustain and mature our worldwide data acquisition system , database process and supporting software framework
* Administer our worldwide statistical process control dashboard
* Responsible for day-to-day manufacturing software operational issues on a global level
* Deliver effective and measurable continuous improvement programs for our manufacturing systems, GUI optimizations, software, data collection processes and security protocols.
* Establish and sustain a close partnership with the Engineering Software Team
* This position requires a high corporate profile participating in new product introduction process, stage gate development and change control board (“CCB”).
* Complement our culture of teamwork and open communication

Qualifications Required:

* Strong knowledge and understanding of OOPS
* Team experience working with Agile workflows
* GitHub experience using branches, issues, and tagged releases
* Experience using MQTT
* Experience w/ OLAP databases
* Sharp MySQL skills with relational databases using foreign keys
* Advanced skills with C,C++NodeJS, Express, and JavaScript
* PHP experience with Symfony or similar MVC frameworks
* Network and infrastructure troubleshooting skills using CLI tools
* Ability to resolve package dependencies using Composer
* Strong Bash scripting skills with standard Linux tools
* Problem-solving skills using RegEx and demonstrable knowledge
* BSCS (MSCS preferred) or equivalent with 7+ years work experience
* Must have a verifiable team-player track record

Bonus skills:

* Experience working with teams using Matlab
* Architecture experience with OLAP (“On-Line Analytical processing”)
* Elasticsearch and Kibana KQL experience with APM
* Experience with Apache with OWASP CRS ModSecurity2
* High Volume Manufacturing experience a plus !