Software Engineer, Data Scientist

Do you want to advance the future of intelligent sensing technologies and big data predictive analytics? Are you itching to be a part of a cutting-edge technology company and world leader in electromagnetics? Do you want to work for a company who's intensely focused on developing intelligent innovations AND great relationships?

GroundMetrics has a reputation overcoming challenges and is growing by challenging conventional wisdom and breaking through walls to get the job done!

In this role, you'll thrive as Software Engineer and Data Scientist combining your two passions to drive innovation and help ensure our game-changing ideas are leading the energy industry. You'll help us identify emerging trends to stay far ahead of the competition. We strive to continue releasing new products before the competition even recognizes the opportunity.

You'll design and develop new software solutions as well as improve performance of existing data acquisition, noise cancellation, and modeling software. You'll lead code optimization efforts for reduced processing times and memory usage. Through deep learning you'll develop new ways to extract information from underground reservoirs storing CO_2 to combat climate change. You'll develop new predictive analytics methods to advance autonomous drilling in order to change the way wells are drilled. You'll implement deep learning methods to provide geophysics information rapidly. This is a rare opportunity to change the energy industry.

You will not only be a key player in GroundMetrics growth but will also have a direct impact on an emerging technology leader in the energy space.

What experience will help get you there?
You are innovative and RESOURCEFUL. You have a BIAS TO ACTION and break through walls to get things done. You OWN your desk and embrace responsibility to deliver results. You continuously CREATE VALUE through quality, on-time delivery.

You are a creative and pragmatic problem solver who is comfortable following proven methods and eager to change procedures that don't work. You are a strong coder with five (5) or more years of experience in software development in Python. As an added plus, you also have experience with analog and digital signal processing and algorithms.

You've used your degree in computer science, mathematics or physical sciences to improve existing code and analyze large data sets. Interest in and some experience with geophysics is a plus.

You are known for being solution oriented while communicating clearly and effectively on the potential, progress, and hurdles of your projects. You are a champion of changing priorities and maintain a determination to complete projects. You are comfortable with uncertainty because you know it's a catalyst for true innovation. You thrive on moving and failing fast and aren't afraid of mistakes because you know they are fuel for fast innovation. You have history of being able to manage time, prioritize, and work independently with little direction.

We are looking for a talented and versatile software engineer and data scientist who wants to work in a fast-paced, game-changing setting where you can truly make a difference in the company and in the industry. Location of this role is flexible.

 If you are the person that will conquer this role, email careers@groundmetrics.com with your resume and references.

Who are we?
San Diego-based GroundMetrics is an early stage, fast growth company commercializing cutting-edge electromagnetic sensor system technologies and predictive data analytics for underground exploration and production. We offer advanced underground surveying and imaging technologies, primarily to the oil, gas, geothermal and carbon sequestration industries, but the core technology is truly a platform that extends well beyond those industries. Our unique technologies and innovative approaches unlock new applications and markets. **We are passionate about delivering EM sensing solutions and know that building an awesome team is the most important part of getting it done!** www.groundmetrics.com

What we've done!
GroundMetrics has invented and developed the eQube™ – the only onshore low frequency capacitive electric-field sensor (patented); a new borehole casing source method (patented); the Eos™ – the only EM sensor integration with a wireless seismic data recorder (enabling the only real-time, in-field EM quality control system); and the Imon™ – the most accurate source waveform monitoring system in use. We've applied machine learning techniques in a new way to take full advantage of large, diverse EM datasets (patents pending). Next we plan to invent and implement new EM inversion methods and commercialize new applications such as casing integrity, carbon capture and storage monitoring and more. All of our technologies are grounded in both computational modeling and the large volumes of onshore EM data we acquire (1 million measurements and counting).

GroundMetrics, Inc. is an equal opportunity employer. GroundMetrics, Inc. does not discriminate in employment on account of race, color, religion, national origin, citizenship status, ancestry, age, sex, sexual orientation, marital status, physical or mental disability, military status or unfavorable discharge from military service (for any applicable states, or based upon sexual orientation, gender identity and or gender expression).

GroundMetrics does not work with external recruiters for this position; direct applicants only please.