

POSITION AT EXCITING MACHINE ANALYTICS STARTUP

ANALYTICS DEVELOPER

Effective May 06, 2012

Contact at jobs@gridata.com / PO Box 7280, Santa Cruz, CA 95061

Summary:

Gridata is an exciting early-stage start-up looking for the right individuals to take on the development of dedicated analytics to extract value from raw telemetry. The telemetry arrives in near-real-time from a variety of SCADA-like sensors, devices, energy monitors and control systems associated with commercial machines, such as refrigeration, food processing and service, heating & cooling, and storage. The purpose is to (a) immediately detect and notify personnel about events and conditions that threaten the integrity of equipment and inventory, and (b) identify specific opportunities to save energy and costs by recommending preventive maintenance, replacement, upgrades, and operational changes. This is a fantastic opportunity for individuals looking to hone their analytical skills, research and apply proven algorithms, and develop new and innovative computations to solve the problems at hand. You will have the opportunity to co-develop our software architecture and analytical frameworks, and work with software developers to permanently implement these analytics. Depending on your situation, this could be a long-term career, or just a stint to deliver stuff that works and walk away with a piece of the company.

The team consists of an evolving mix of seasoned software developers, technicians and recent grads. Our custom telemetry platform is designed for the cloud, and has already been collecting data from sensors for over six months, processing it for specific criteria, and persisting it in a highly scalable relational database. The platform contains early implementations and design hooks for functionality that will continue to be subject to expansion. The future includes online and mobile workflow apps to capture the data about new sensors and customers; messaging applications to communicate with customers via email and SMS; and configuration applications for users to set preferences, access controls, and reporting preferences.

The business is now signing up new customers and is expected to break even by end of 2012. If you have the chops, this is the opportunity to get in early and get compensated with generous options. We look forward to meeting you.

Functional / Technical Skills:

- 2+ years of experience with analytics, preferably on data streams with many millions of records.
- Extensive experience with analytical applications and packages, such as SAS, Matlab, Statistica, R, etc.
- Experience writing sophisticated SQL queries to retrieve targeted data sets, minimizing the use of procedures;
- Able to interface well with internal business teams, software teams, QA, customers and professional services.
- Able to communicate clearly in written specifications and user documentation.
- Familiar with agile software development cycles, and the deliverables needed to make them effective.
- Some experience with programming, such as JAVA, J2EE, SQL.
- Understanding of SOA and supporting technologies and patterns (UDDI, SOAP, REST, WSDL, etc.).
- Engineering degree in Math, OR, IE, EE, CS, SysE, or related field.

To candidates who feel they may be overqualified: If you have decades of experience but are very hands-on developing and running analytics, we are interested in talking with you. In addition, we believe that Gridata's business model holds promise not just in applying existing bodies of knowledge and ad-hoc heuristics, but to develop new foundational research such as sophisticated maintenance predictors. Please contact us if this strikes a note.