



EMPLOYMENT OPPORTUNITIES

Web-based monitoring for solar thermal systems

SolarWave Energy, Inc. has been working in the solar industry since 1978. Using those 32 years of experience we are developing new products and services that monitor status and value produced by solar thermal/hot water systems. As solar thermal is load dependent, both the supply and the load are measured.

We currently have sold products and consider it in limited release while we are developing further to enhance functions and robust qualities. We are looking for additional staff to grow our team (presently nine) and grow our business around these new products. In a sense the company is somewhere between startup and early stage, as we are developing something new that has risen

Database/Software Architect

As a database/software architect, you will further the development of a hosted analytical database system to a deliverable point. A number of important parts of the system are well along in development but need furthering, and there are key parts to get started on. You'll work with senior management on translating existing requirements to specification and design. The work involves both model and code levels, in SQL, Java, and object-oriented PHP. A regular part of the job will be developing and refining software designs for critical services, reviewing them with related staff, and implementing in Java and object-oriented PHP. (If you have good Java skills, we think you can quickly learn object-oriented PHP. Our PHP has been written to make skill transfer easier.) The work also includes defining necessary database schema changes to support the services with high performance. The devices we make have specific communication and configuration requirements, and the job involves work on the services that exchange with them and transform their data into analyses. Part of our competitive advantage lies in the sophistication of our handling of the data and calculations from these devices, and your work will focus on further enhancing this advantage.

We're a lean team; you need to be self-managing and willing to collaborate. You need to be clear in oral and written communications. You also need to be able to handle dynamic priorities, as we have a number of moving parts.

out of our research and development and we are not yet selling product in large numbers.

We are funded and offer a secure comfortable workplace designed to enhance the growth of our product. Our team spans hardware and software design and construction, so collaboration is important. We are looking for individuals who will complement our team, understand how to manage our existing environment and help to advance the technology.

If you are interested in working on this Boston-area team, please look at the job description and send us your resume if you think your knowledge and experience matches our needs.

Summary of responsibilities

- Design, implement and tune the RDBMS-based database underpinning company analytic services
- Design and implement services that define and provide analytics
- Design and implement services that communicate with intelligent remote sensing devices
- Architect service framework for the next product cycle

Necessary skills and qualifications:

- Strong object-oriented design and implementation skills.
- Strong relational database design experience, both for operational and analytical databases.
- Good Java experience.
- Experience with web deployment of data-centric applications
- Familiarity with UML (class, object, sequence and state descriptions)
- Familiarity with XML processing
- Familiarity with Linux or Unix
- MySQL-specific skills are a big plus
- C/C++ a plus

Please reply to: jobs@solarwave.com



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Web Software Engineer

As a web software engineer, you will further the development of our hosted analytical application, readying the operational and management interfaces and functions that are key to our success. The work involves collaborating with the data-tier developers to flesh out service-side functionality (primarily in object-oriented PHP), and creating the user interfaces using AJAX that allow our customer-facing staff to easily handle complex systems. You'll have responsibility for laying out the interfaces as well as their implementation, taking the requirements of the application system as well as the operations of the users, and we value clean and functional over glitzy. If you're good with Java, you'll have more opportunity to contribute to underlying interfaces and services (and you'll learn object-oriented PHP very quickly if you don't know it already).

Summary of responsibilities

- Develop services and features core to the company's analytical services and operations, both service implementations and the user interfaces to them.
- Develop in object-oriented PHP and AJAX for LAMP

Necessary skills and qualifications

- Object-oriented design and implementation skills.
- Experience with HTML DOM, Javascript, and AJAX usage
- Experience with web deployment of data-centric applications
- Object-oriented PHP and/or Java
- Familiarity with Linux or Unix
- Relational database familiarity (especially MySQL) a big plus

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