Lead Developer, full-time

Location: Sunny San Diego, CA

Have you heard of the Internet of Biology? Come help us build the systems that are integrating digital networks with biological networks. Cardea is a growing technology company, with a product, sales, and committed investors. Our graphene based nanoelectronic sensors are currently sold and used in drug discovery research. Cardea’s mission is to radically alter life science research, drug discovery, and portable diagnostic and health monitoring platforms through breakthrough Field Effect Biosensing technology. This passionate team combines physicists, biologists, chemists, engineers, and business strategists to build sales of our current products with plans to develop multiple additional product lines over the next few years. Read about our vision in a LinkedIn article by our CTO (https://cardeabio.com/iobrevolution) and read about the details of our technology as published by Nature Research (https://www.cardeabio.com/naturepaper).

**Job Description:** As a small, fast growing company, we are looking for highly self-motivated individuals who can lead a big vision for building software infrastructure and products alongside our biology and nanotech team. The ideal candidate for this role has experience managing a team in a diverse technology stack from web based UI to firmware. Expertise in back end development is key. The person in this role will be responsible for leading a major redesign of our software that will focus extensively on movement of software and data resources from the desktop to AWS. This role includes identifying the resources necessary to accomplish product and infrastructure goals. As the software team lead, this role will work with our scientific, engineering, and customer support teams.

**Responsibilities:**
- Be the technical lead for software at Cardea
- Oversee software work by external contractors and internal employees
- Design and construct software enabling new uses of our technology and data within our existing product and infrastructure vision
- Contribute to expanding and evolving the vision of software at Cardea
- Contribute to machine learning and data analytics
- Work with existing and future partners on expansions and customization of our software.

**Requirements:**
- Bachelor’s degree in Computer Science or equivalent
- 5+ years of software development experience.
- 1+ years of experience leading a team of developers.
- Extensive experience with backend technologies
- Experience working with services such as AWS and MongoDB
- Familiarity with Node.JS
- Excitement to teach and learn in a scientifically and technically diverse company.

**Preferred Qualifications:**
- Experience working with cloud-based monitoring of hardware such as sensors
- Experience with Python
- Experience writing validated software such as for medical or defense applications
- 3+ years of experience leading a team of developers.

This position is not approved for relocation or sponsorship assistance.