Job Title: Software Development Engineer

About EC POWER

EC POWER is a leading provider of battery and fuel cell solutions for vehicle electrification, renewable energy storage, and power grid management. Headquartered in State College, Pennsylvania, EC Power's proprietary design tools and patented technologies enable a new generation of batteries and fuel cell systems with significantly lower cost. For more information, please visit www.ecpowergroup.com.

We are looking for a high-energy, creative, and ambitious engineer to join our team. We offer competitive pay, a fun work environment, and the opportunity to work at a high-growth technology company that collaborates with several Fortune 500 companies. EC POWER is a leading developer of computer codes for multiscale, multiphysics analysis of automotive and large-format batteries and fuel cells with a worldwide customer base. We are recruiting a Software Development Engineer to work in our product development team. Prior expertise in battery and fuel cell technologies is not required, but applicant must be eager and willing to quickly develop an expertise in these areas. Legal authorization to work in the US is required.

Job Description

As a Software Development Engineer with EC POWER, your essential duties will be to carry out and take ownership of activities such as:

- developing, improving, and maintaining the software pre- and post-processing features
- working with our clients and product development team to quickly fix bugs in software
- taking a leading role in testing and quality assurance as part of our product development cycle
- helping to prepare documentation and user manuals
- functioning as a key member of our tech support team, taking responsibility for addressing clients' concerns in a timely fashion
- other related duties

Required Qualifications:
- B.S. in Computer Science or related fields
- Experience with Java, Perl, Python
- Programming experience with C, C++, FORTRAN
- Good communication skills and the ability to work in a team environment
- Demonstrated ability to quickly learn and adapt

Preferred Qualifications:
- 2-5 years of commercial software development experience
- Experience with MATLAB/Simulink
- Understanding of Li-ion battery and fuel cell technologies
- Understanding of electrochemical modeling
- Understanding of advanced numerical algorithms

Contact

Interested applicants should send a cover letter and resume to careers@ecpowergroup.com. We will contact only those applicants selected for interviews.