



Date: February 2024
Role: Jr. R&D Scientist/Engineer
Reports to: Senior Materials & Data Scientist

The Company: Located in Pittsburgh, Pennsylvania, Stratus Materials is an early-stage, technology-based company focused on the development and manufacture of advanced active materials for the lithium-ion battery industry. Our primary focus is on advanced electric vehicle batteries, but our materials will also be applicable and very attractive for virtually all other end-user applications using lithium-ion batteries. In early 2022, the company secured a substantial Series A round of financing from two blue-chip venture capital firms and is using those funds to execute on its business plans. If you are interested in a dynamic, high-growth opportunity where you can dig in and make a difference, we look forward to meeting you.

Summary of Position: The Jr. R&D Scientist/Engineer at Stratus Materials is directly responsible for driving forward Stratus' suite of novel battery materials. Responsibilities include leading experimental studies on our materials, conducting analytical and test method development, and participating in the general operations of R&D efforts under the direction of the company's leadership. This role must exercise attention to detail and rigorous record keeping throughout all daily duties. This person will collaborate with engineers and scientists from many disciplines like materials science, chemical, and electrical engineering, working to develop world class energy storage materials. As such, this role requires strong verbal and written communication skills.

Responsibilities

- Designing and conducting experiments to advance existing and develop novel production methods.
- Performing wet and dry lab sample synthesis preparation and characterization techniques
- Evaluating experimental battery materials using electrochemical techniques in Li-ion battery cells
- Recording and reporting testing results in accordance with organizational needs
- Discussing and answering any questions regarding procedures and techniques and participating in the training of interns.
- Participating in method development as a translational function to move new findings into small lot production.
- As-needed, supporting production including carrying out process steps and quality checks on lab-scale and pilot-scale materials.

Requirements – Education, Experience, and Skills:

- Bachelor's degree or higher in a technical field (materials science, chemical engineering, physics, chemistry) is strongly preferred
- 2 to 5 years of experience in a laboratory environment. Analytical lab experience and materials testing experience is desirable.
- Ability to remain calm and to think carefully while handling multiple, competing priorities in a continuously changing environment
- Hunger for rigorous, data-driven inquiry is required. Familiarity with Python (or a similar high-level programming language) and/or a database query language is desirable.
- Appreciation for and adherence to lab and work safety policies.
- Exposure to chemical process design, materials science foundations, and/or statistical analysis are all desirable.

Requirements – Geographic and Physical:

- Located in Pittsburgh, PA
- Able to frequently move about an office and standing on a laboratory floor.
- Occasional light lifting and ascending/descending stairs.

Along with an exceptional culture and an opportunity to make a global difference, Stratus Materials offers a competitive compensation and benefits package as well as an entrepreneurial environment and the opportunity for phenomenal professional growth and development. Founded in early 2022 by a team including Dr. Jay Whitacre of Carnegie Mellon University, the company is an Equal Opportunity Employer.