



**Location: Houston, Texas**  
**Job Type: Regular / Full Time**  
**Reports to Chemistry Manager**

### **Applications Chemist**

1<sup>st</sup> Detect, a fast growing spin-off company developing next generation, miniaturized chemical detectors (mass spectrometers) is seeking a chemist specializing in method development and customer support. The applications chemist will support product management and sales teams by developing customer specific applications for 1<sup>st</sup> Detect's mass spectrometer based product line. The applications chemist will also work with the product development and core engineering team to advance technical developments and provide post-sales customer support.

- **Minimum Required Qualifications:**
  - BS degree in Chemistry or related scientific field and 7 years experience or MS/ PhD in Analytical Chemistry, Physical Chemistry or related field and 3 years experience
  - 5+ years technical experience as a power user/developer in the analytical instrumentation field
  - Experience testing and troubleshooting analytical instruments in field environments
  - Willing to travel up to 30% of the time
  - Ability to move up to 60 lb. boxes to a height of 4 feet and load them into and out of vehicles for event needs
- **Principle Responsibilities will be:**
  - Perform as principal team member demonstrating 1<sup>st</sup> Detect products at trade shows, sales demonstrations, and customer sites around the world
  - Providing first-point-of-contact customer support
  - Designing experiments and methods based on customer specific applications to demonstrate how small mass spectrometer technology can be used to solve real world problems
  - Documentation of applications development efforts in the form of application notes and technical presentations
  - Providing technical customer support for 1<sup>st</sup> Detect's mass spectrometer based product line
  - Supporting manufacturing and engineering teams by performing system level functional testing of miniature and industrial mass spectrometer and GC-MS products
  - Collaboration with engineers to improve instrument design and increase functionality
  - Test data collection, processing, interpretation, and documentation
- **Desirable Experience:**
  - Designing, building, and/or maintaining GC or GC-MS instruments & sample introduction systems
  - Analysis or support / service in one or more key focus industry:
    - Petrochemical PAC/PAT
    - Environmental monitoring
    - Pharmaceutical manufacturing
    - Semiconductor AMC monitoring
    - Food and beverage
  - Engineering or software education or experience would be a plus
  - Preference will be given to candidates with active security clearance
- **The ideal candidate will be:**
  - Organized and able to meet deadlines
  - Able to work in a collaborative teamwork environment
  - Able to balance multiple projects
  - Motivated self-starter that assumes responsibility for tasks with minimal supervision or direction

1<sup>st</sup> Detect revolutionizes the chemical detection market by leveraging the analytical performance of a mass spectrometer, in a transportable instrument. The instrument is capable of satisfying the chemical detection requirements for a variety of markets, including industrial, food and agricultural, security, and defense. As a part of the 1<sup>st</sup> Detect team, you will have the opportunity to develop and expand your career, while interacting first hand in a group of talented and dedicated engineers and scientists.

EOE M/F/Disability/Veteran