

Example of Senior Scientist Job Description

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Our company is searching for experienced candidates for the position of senior scientist. Thank you in advance for taking a look at the list of responsibilities and qualifications. We look forward to reviewing your resume.

Responsibilities for senior scientist

- Functioning independently as the Principal Investigator and technical expert, develop, perform, and troubleshoot analytical laboratory experiments, tests, and procedures within accepted regulatory compliance for the characterization and analysis of biotherapeutics, techniques include, but not limited to, electrophoresis (CE, IEF, PAGE), chromatography (HPLC, UPLC, IC), and spectrometry (UV/Vis, Fluorescence)
- Mentor, lead, and advise junior scientists and/or chemists in areas of scientific, regulatory, project management, client, and safety issues
- Ability to define problems, collect data, recognize patterns, and draw valid conclusions
- Recommend decisions to senior management by providing solid results, findings, and technical solutions to project issues/problems
- Independently synthesize, purify and analyze chemical intermediates and active pharmaceutical ingredients using a broad range of techniques
- Basic bioinformatic analysis pipelines
- Bachelors degree in an environmental field of study (Environmental Science, Biology, Ecology, Fisheries, Wildlife or related field)
- At least 5 years of related experience in the ecological field studies and the preparation of environmental documents including Ecology and NEPA
- The ideal candidate would have knowledge of the Georgia Department of Transportation (GDOT) Environmental Procedures Manual for conducting and completing quality environmental documents
- Overseeing the Training and Certification Program for Visual Particle

Qualifications for senior scientist

- Expertise and hands-on experience in Cloud computing and using multi-node compute clusters
- Expertise and hands-on experience with MapReduce, Hadoop, Apache Spark or equivalent
- Demonstrated expertise in analyzing high volume measurement data
- Experience with functional programming concepts such as Scala, Python, R, Matlab
- Experience with scalable state of the art data exploration and visualization tools
- Be responsible for maintenance and service of instruments that are used