On Demand Pharmaceuticals, Inc. Position Description for: Senior Systems Test and Reliability Engineer

On Demand Pharmaceuticals (ODP) (www.ondemandpharma.com) is changing the way we make and distribute medicines—by providing them to anyone, anywhere, anytime. ODP is creating innovative manufacturing platforms to enable our vision to produce critical medicines at the point of care and to secure the pharmaceuticals supply chain. As a young organization, ODP offers an exciting opportunity for passionate scientists and engineers to make a difference in the world while developing career paths for advancement. ODP is seeking a Senior Systems Test Engineer to support the development of our next generation medicine manufacturing platforms. Our manufacturing platform is comprised of modules that can chemically synthesize active pharmaceutical ingredients, purify crude products, and formulate into finished drug product. These modules are miniaturized and mobile and can be deployed anywhere in the world to strengthen the pharmaceutical supply chain and enable local production of medicines. This position will be responsible for:

Conducting Test Requirements Management:
- Tracks compliance of test results against requirements via Verification Cross Reference matrix (VCRM)
- Documents performance in detailed test reports.

Conducting Test Planning:
- Plans, organizes, and manages the coordination of upcoming development activities to ensure efficient and effective use of test activities and resources within constraints.
- Develops effective test planning documents and master plans.
- Proposes improvements to current test approaches to enable continuous improvement.

Conducts Reliability Analyses and Plans Reliability Testing
- Develops reliability requirements for ODP systems and allocates requirements to designed subsystems.
- Conducts Failure Mode and Effects Analyses, Hazard Analyses, Develops Failure Definition Documentation.
- Translates reliability engineering analyses into design recommendations.
- Plans reliability growth testing to meet requirements.

Conducting Test Requirements Allocation:
- Identifies and defines test requirements and verification methods for every requirement.
- Translates quality, regulatory, and constraints into conformance requirements via analysis.

Conducts System Test Analyses:
- Assembles test results and conducts analysis to demonstrate regulatory compliance, operational effectiveness, operational suitability, and system safety.

Minimum Hiring Standards:
- Degree in engineering, mathematics or science
- Direct experience in testing of hardware and software systems as a system test engineer
- Experience in the testing of chemicals, materials, or pharmaceuticals
- Experience in Reliability Engineering, reliability growth test planning,
- Strong management and interpersonal skills
- Ability to work collaboratively with multi-disciplinary cross-functional research teams.
- Strong written/oral skills, with ability to communicate technical concepts to a non-technical audience.
- Energy and passion to thrive in a start-up environment and to deliver on the mission of ODP.

Preferred Hiring Standards:
- Master's degree in engineering, mathematics, or related field
- Extensive systems engineering or system test engineering experience in a Pharmaceuticals, Medical devices.
- Currently holds or is able to pass a DoD security clearance process.
- Individuals with > 10 years' experience and training preferred.

Please click here to submit an application for this position.

On Demand Pharmaceuticals is an equal opportunity employer. On Demand Pharmaceuticals does not discriminate in employment with regard to race, color, religion, national origin, citizenship status, ancestry, age, sex (including sexual harassment), sexual orientation, marital status, physical or mental disability, military status or unfavorable discharge from military service or any other characteristic protected by law.