



## **Senior Software Engineer**

Location: Rockville, MD [hybrid and remote work possible]

Type: Full-time

On Demand Pharmaceuticals (ODP) is changing the way we make and distribute medicines—by providing them to everyone, everywhere, every time. 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 an expert senior software engineer for developing software as part of our automation controls software platform.

### **Responsibilities**

- Work within a team of in house and contract Software Engineers for custom application development of customer facing application in accordance with defined OOP software architecture
- From high-Level software requirements and team strategy discussions, develop software design specifications and custom software components for our customer facing application
- Adhere to and further develop company processes for IEC 62304 medical device software development life cycle
- Ensure testability is built into software and work closely with Test Engineering for software testing and qualification
- Perform code reviews to ensure all company software coding standards are incorporated into deployed software

### **Minimum Hiring Standards**

- US Citizen
- Expert Labview Developer with at least 5000 hours of Labview Development experience
- Experience developing reusable code
- Leading team of developers in the production of customer facing Labview Application Development
- Demonstrated understanding of Labview memory allocation and code techniques with good memory management
- Various techniques for multi-threading in Labview
- Robust error handling and reporting
- Understanding of OOP and inheritance techniques
- A computer science approach to Labview development
- Understanding and demonstrated use of common design patterns
- Strong experience in source code control – preferably Mercurial
- Code validation
- Code examples available for review
- Strong reference



**Preferred Qualifications:**

- SQL Database interface and Schema development
- Hardware Abstraction
- Analog I/O Transducer signal conditioning and calibration routines
- custom developed REST APIs
- Web VIs and HTTP protocols
- Labview NXG Web Development Module
- Network and bus implementation-CAN, TCP/IP, Network Streams, USB, RS-422/485, Network Shared Variables, OPC
- Auto-Report Generation
- Implementing encryption protocols
- Implementing packed project libraries for plug-in architectures
- User authentication, roles management with User Access Controls
- .NET interfaces
- NIPM
- 21 CFR Part 11 compliance expertise
- Developing Licensed Software applications

**COVID-19 Vaccination Policy:** With limited exceptions, up to date COVID-19 vaccinations are required for all ODP employees who work on-site at our headquarters. Employees must present proof of full vaccination (ex. CDC card) or submit exemption requests to the Director of People Operations before their start date. Exceptions to the policy are available only for those who need an accommodation for a qualifying medical reason or sincerely held religious belief or practice.

[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, sexual orientation, marital status, physical or mental disability, military status or unfavorable discharge from military service or any other characteristic protected by law.