



On Demand Pharmaceuticals, Inc.: Lead Applications Software Engineer

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 lead applications software engineer for developing software as part of our automation controls software platform.

This position will be responsible for:

- Leading a team of in house and contract Labview developers for custom application development of customer facing application in accordance with defined OOP software architecture
- 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

- At least 5000 hours of Labview Development experience
- Experience developing reusable code
- 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 references

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

[Please click here to submit an application for this position.](#)

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