



## Job Description

### Software Engineer - C++/Linux

Technology Team

Calgary, Alberta

We are a rapidly growing, privately held company positioned at the forefront of the movement to bring much-needed technologies to today's oilfields. Our core mission is to add visibility to every well in every field, regardless of its location or current communications system. At Ambyint, every day presents a new challenge and another chance to excel in a fast-paced, dynamic role that will expand in tandem with your unique skill set. We are focused on nothing short of excellence in customer experience and value creation. If you are as well, then consider joining our team!

The following will appeal to the **Ideal Candidate**:

- You're looking for a **cultural 'fit'** rather than just a job
- Passion, an outgoing personality and **self-motivation** define you
- You like to be **part of a team**, but also work well independently without supervision
- Customer satisfaction is important to you, but you remain true to your values
- You love **collaborating with others, reading and learning** like you've never left school
- You are curious, creative, **biased toward action** and love solving problems
- It is in your nature to do less, but do it well, and always deliver what you promise
- You don't assume that you are the best and have humility to **learn from others**
- You see the world as a **set of mathematical equations**

As a **Software Engineer - C++/Linux** at Ambyint you will report to the Chief Technology Officer with the objective of developing and constantly improving artificial lift optimization software. You will:

- Work independently and as a team member to deliver a successful product to market
- Develop, enhance and maintain the existing application software components
- Focus on open standards and open source before seeking a proprietary solution to a problem
- Work with the software team to develop end-to-end features across our cloud, mobile, web and embedded ecosystem
- Look forward: work with team to explore new ideas through experiment, prototypes and fast feedback
- Live, breath and work in the Cloud
- Utilize SCRUM and Agile methodologies to just get stuff done

**Specific Skills and Requirements** we're looking for:

- BS/MS in engineering, computer science or equivalent relevant experience
- 2+ years of experience in developing and deploying scalable services in a Linux environment
- Substantial experience programming in C++, including delivery of production-quality code
- Experience with Boost, C++ 11 standard and ARM compiler
- Experience with wired and wireless communication protocols such as UART, I2C, TCP/IP, Bluetooth, 802.15.4 and Modbus
- Strong working knowledge of Object-Oriented/SOLID design principles



- Extensive experience implementing automated testing platforms and unit tests
- Understanding the nature of asynchronous programming and its quirks and workarounds
- Extensive understanding of agile software development concepts and processes. Must be proactive, demonstrate initiative and be a logical thinker.
- Experience with Node.js, ES6, Babel, Docker, AWS and microservice architectures is an asset, but not required
- Team player with experience working in a collaborative environment

If these qualities and qualifications describe you, we'd love to hear from you! Send us your resume at [jobs@ambyint.com](mailto:jobs@ambyint.com), and let us know why you're interested in joining our team.

### About Ambyint

Ambyint has been delivering best-in-class artificial lift optimization solutions to E&P customers since 2004, when the company was founded in Calgary, Alberta as Pumpwell Solutions. Through actively acquiring data, monitoring, and optimizing thousands of horizontal and vertical wells across Western Canada with its solution over the next decade, the company amassed a data lake so large that it gained the ability to make computer-generated inferences. Thus, the team began leveraging the power of artificial intelligence and machine learning to develop an end-to-end solution that merges traditional physics-based techniques with modern data science and analytics, effectively bringing the massive power of the Internet of Things (IoT) and big data analytics to the oil patch in an unprecedented way.

Today, Ambyint is able to diagnose a number of abnormal/damaging well conditions via our proprietary, AI-based platform, which features a modern user interface that dramatically cuts optimization workflow times over traditional offerings, as we continue to expand the functional scope of our data science and machine learning algorithms. Ambyint currently has offices and staff in Calgary and Houston, with solutions deployed to customers across North America and the rest of the world. The company is led by a team of experienced oilfield entrepreneurs, production engineers, operations practitioners, and leading-edge technologists.

