

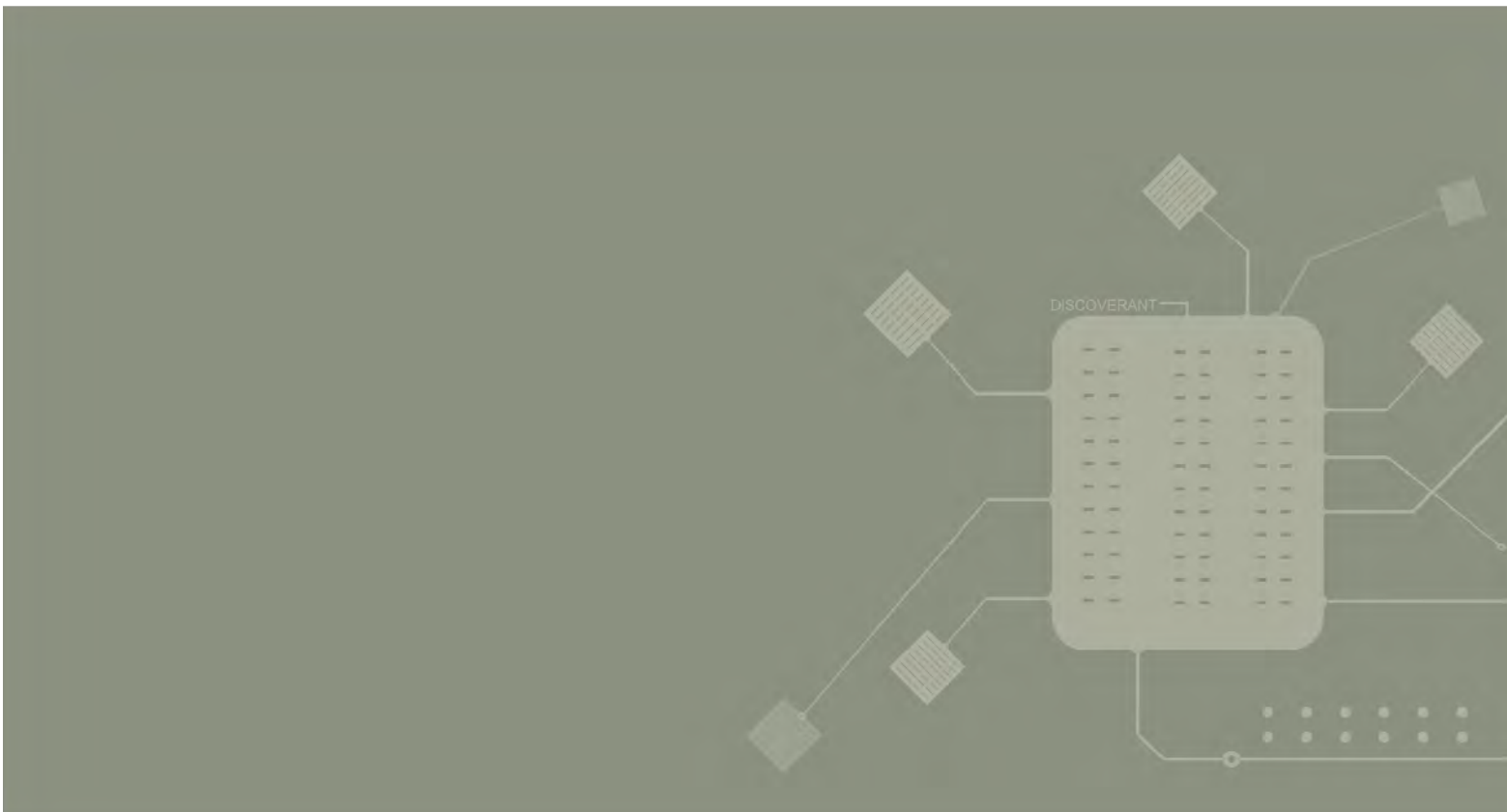


*Process Intelligence for Manufacturing.*

---

**Senior Software Engineer**

**Reports to: V.P., Professional Services**



---

## Position Summary

General summary of the position:

Aegis Analytical is seeking an individual with analytical and problem solving skills to work in our engineering department developing commercial software. Responsibilities include developing specifications, analyzing problems, designing solutions and writing, documenting and testing code.

Applicants for this position will need to have a background in software development, with an emphasis on Object-Oriented Programming.

## Position Responsibilities

List and prioritize the major responsibilities of this position:

### **Responsibility 1: Software Development & System Design**

The senior software engineer will work with other engineers to write, document and test code to specifications. The senior software engineer will gather requirements and develop specifications for software that may be implemented by someone else. Development will involve the use of object-oriented design and development methodologies, and a set of tools to effect the development, including Integrated Development Environments, Debuggers, Source Code Control Systems and Document Control Systems.

### **Responsibility 1: Software Maintenance**

The senior software engineer will perform routine maintenance activities related to the software that Aegis produces. The maintenance activities will include 3rd line technical support, troubleshooting, defect identification and defect fixing.

### **Responsibility 1: Research**

The senior software engineer will perform technical research activities for the purposes of identifying new technologies for integration, including on-line research, attendance of technical conferences and visits to vendors. Research results will be written up and presented to engineering management.

List specific skills, background experience and education necessary for this position:

## **Skills:**

- Analytical and problem solving skills
- Ability to work independently after receiving direction
- Ability to design and specify work for others
- Ability to perform object-oriented design and analysis
- Object oriented programming

## **Experience:**

- C++ or Java coding experience
- Architecture and design experience
- Familiarity with OOAD methodologies, including UML and Design Patterns
- .NET Framework experience

## **Education Level**

- A Bachelor's degree or equivalent, or equivalent experience in Computer Science, Engineering, Mathematics or IS, combined with 5 or more years of programming experience

Copyright 2010. Aegis Analytical Corporation. All Rights Reserved.

Discoverant, the Aegis logo and "Compliance with excellence" are trademarks or registered trademarks of Aegis Analytical Corporation



**address** • 1300 Forest Park Circle, Suite 200  
Lafayette, CO 80026

**phone** • 303.826.0317  
**fax** • 303.826.1101

**www** • [aegiscorp.com](http://aegiscorp.com)  
**e-mail** • [Info@aegiscorp.com](mailto:Info@aegiscorp.com)