

**Software Developer – (Java & .Net)**

Last update 2011-11-30

**Job Summary**

Reporting to the R&D Director, the Software Developer is responsible for the design of Distech Software Products. He/she will, in collaboration with the other members of the R&D team (Hardware, Firmware and Software), program in .Net or Java the different Software products following Distech's Product Development cycle. Programs will be coded according to best practices and documented for the Technical Writers to take over while delivering a stable and high quality end product. He/she will also on occasion ensure proper product transfer in production generating associated documentation. The role also includes product support and evolution for its entire life span. He/she also carries out, on request, any other task related to this position.

The postulant is proactive, autonomous and has shown a strong team spirit. His/her professionalism and dedication contributes to company's success by meeting deadlines, staying within R&D allocated budget and producing quality Software tools.

The ideal candidate brings a solid .Net and Java programming experience to Distech.

**Job Description*****Programming***

- ✓ Apply quality and good programming practices when releasing a new Software version (bug fixes, new features).
- ✓ Solve complex technical problems, respond quickly to emergencies
- ✓ Design and develop concepts and architectures, turn them into concrete software applications
- ✓ Lead research related to specific software development
- ✓ Communicate with external firms and partners during development as needed.

***Development / Documentation***

- ✓ Active participation in product definition and detailed design of software products
- ✓ Lead studies to better define concepts and produce block diagrams
- ✓ Help in putting together Functional Specifications and use them as a reference during development
- ✓ Document projects during development and communicate progress to the R&D director on a timely basis.

***Team***

- ✓ Closely work with the different R&D teams during the product development cycles and pre-release phases
- ✓ Contribute to the improvement of existing methods, tools, processes and design rules the software team uses on a daily basis. Be a proactive team member in such a role.

## Requirements

### Essentials

- ✓ College or University degree in an Electrical or Software Engineering program
- ✓ At least 5 years of experience in enterprise software development using object oriented programming techniques
- ✓ Minimum of 3 years of experience with Microsoft .NET
- ✓ Expertise with VB.NET, JAVA, C# languages
- ✓ Expertise with web technologies (JavaScript, HTML 5, AJAX)

### Important aspects

- ✓ Bilingual, both English and French, written and spoken
- ✓ Good understanding of advanced programming techniques (reflection, attributes, serialization, etc.)
- ✓ Good knowledge of distributed programming
- ✓ User Interface creation according to today's industry standards
- ✓ Ability to put together project documentation and use it actively during the development cycle
- ✓ Knowledge of databases (MS-Access, SQL, ODBC)

### Assets

- ✓ Knowledge of HVAC and Building Management Systems (BMS)
- ✓ Knowledge of LonWorks and/or BACnet and/or Modbus communication protocols
- ✓ Knowledge of the Tridium Niagara AX platform
- ✓ Good understanding of VMware

## Profile

- ✓ Organized and structured individual
- ✓ Good analysis skills and strong ability to synthesize
- ✓ Team player with excellent communication skills and a capacity to develop harmonious relationships with others
- ✓ Self dependant and proactive
- ✓ Respectful of others
- ✓ Show leadership