

## Company Information

Data911, located in Alameda, CA, is a rapidly growing, innovative company focused on the ever-changing needs of Public Safety. For more than 20 years, Data911 has been a provider of comprehensive software and hardware solutions for police, fire, emergency medical services, sheriffs, utilities, and transportation companies, and is the first company to provide a fully-integrated, end-to-end police Dispatch and Records Management System. We make mobile data communications as safe, fast, and efficient as possible. The development and manufacturing of excellent mobile data computer systems is our only business. Our software products are built using .NET, Visual Basic, Windows, and Oracle.

## Job Description

The Enterprise Solutions team seeks a highly qualified **Senior Software Engineer** with demonstrated experience in software architecture, modularity, and reuse, to lead new development for the future, along with maintenance and enhancements. You will participate in requirements analysis, design, development, deployment, and testing.

This is a key role in the company's software development group. You will be involved in the design and implementation of technology solutions for our clients, developing premier, high-volume, high-visibility, enterprise-scale applications. This position involves collaborating on the design of software solutions, leading technical project teams to implement and deploy, and contributing as a senior technologist to help refine the company's engineering practices.

## Responsibilities

- Work with other engineers, managers, Product Management, QA, and Client Services teams to develop innovative solutions that meet market needs with respect to functionality, performance, scalability, reliability, realistic implementation schedules, and adherence to development goals and principles
- Architect, design, develop, unit test, debug, and deliver extensible and reliable client applications and new features, to specification, for the enterprise suite
- Actively participate in requirement gathering, scoping, decision making, and technical implementation
- Participate with project managers and other software engineers to plan, schedule, and report on requirements completion and task completion
- Provide day-to-day leadership of small, multi-disciplinary project teams to ensure development projects are delivered on time, within budget, and to the quality levels expected by Data911 standards
- Set expectations with management, clients, and partners; provide full and accurate project communication; proactively identify changes in work scope; and ensure appropriate planning measures are taken to reassess and amend the scope and/or timeline

- Mentor Software Engineers to help them develop their skills and abilities
- Actively participate in both internal and external (client-facing) meetings
- Assess the progress of development
- Participate in code reviews
- Actively contribute to the continuous improvement of software development, change management, and code deployment methodologies, and assist in tool selection
- Develop industry and product technical expertise.

## **Qualifications**

- 5–7 years of programming experience in a client-server environment
- Experience managing/leading small project teams of Software Engineers
- Strong experience with object-oriented development techniques and in-depth use of several high-level languages
- Relational database experience (Oracle preferred), including development and maintenance of complex stored procedures and functions required by the application
- Effective oral and written communications
- Proven ability to meet deadlines
- Strong analytical and coding skills
- Able to grasp new technologies quickly
- Solid foundation for software architecture and software engineering practices
- Proven Experience in working on Custom ERP or CRM systems
- Proven track record and experience with delivering projects on a hard deadlines
- Strong understanding of the complete SDLC process, including project plans, estimates, and milestones
- A strong knowledge of data structures and algorithms, including XML expertise—must be able to adopt and extend industry standard schemas to meet complex internal and interface requirements
- Experience in design and optimization of large databases, including high transaction and high availability; experience analyzing database specific issues
- Strong troubleshooting ability in resolving tough technical problems

## **Additional areas of expertise a plus**

- .NET 2.0 architecture and fundamentals, including C++/C#
- Pocket PC platform (Win CE, Pocket PC 2002/2003, Windows Mobile 5 and 6)
- Visual Basic 6 or VB.Net
- Communications protocols, including TCP/IP, UDP, ICMP, etc.
- Knowledge of Microsoft technologies such as COM, Windows services, and Web services
- Experience with cross platform/cross language communications
- Experience developing intuitive customer-facing user interfaces
- Experience in Public Safety, Utilities, Transportation, or other dispatching environment
- Background in security/encryption application development