



# OFFICE OF THE STATE AUDITOR

## SENIOR PROGRAMMER

Posting Number 2013-04

**SALARY RANGE: \$55,000.00 - \$72,768.00 (Commensurate with experience)**

### GENERAL STATEMENT OF DUTIES:

The Senior Programmer is responsible for the development, administration, and maintenance of OSA's in-house software applications, intranets, and databases. The Senior Programmer's role is to design, code, test, troubleshoot, and analyze software programs and applications. This includes researching, designing, documenting, and modifying software specifications throughout the production lifecycle. The Senior Programmer also provides assistance with data analytics as well as support for Cognos BI data modeling, MS Access databases, and OSA's external website, [mass.gov/auditor](http://mass.gov/auditor).

### SUPERVISION RECEIVED:

Reports to the Assistant Director of Information Technology, Application Development.

### SUPERVISION EXERCISED:

Oversees contractual staff on a project-related basis.

### DUTIES AND RESPONSIBILITIES:

- Develop and implement specialized program code to supplement and enhance systems software.
- Write programming scripts to enhance functionality and/or appearance of internal applications and OSA's external website.
- Analyze, review, and revise programs to provide solutions that increase operating efficiency.
- Program SQL stored procedures, XML schemas, and web pages in .ASP, .NET and Java.
- Analyze software problems and develop solutions.
- Administer and maintain SQL databases.
- Assist in the creation and execution of test plans.
- Prepare test data, code, and debug programs as outlined by a system's technical and functional requirements.
- Prepare or update requirement and technical documents.
- Liaise with network administrators and other IT personnel to enhance or resolve issues with internal systems or environment.
- Create and execute project work plans and revise as appropriate.
- Perform research and the analysis required for project proposal, software and systems modifications, and new projects.
- Communicate and enforce coding standards
- Suggest areas for improvement in internal processes along with possible solutions.
- Perform related work as assigned.

### MINIMUM QUALIFICATIONS:

The successful candidate will possess and/or demonstrate:

- A Bachelor's Degree in Computer Science, Information Systems or related field; an Associate's degree and direct work experience may be substituted.
- A minimum of five years in a MS SQL 2005/2008 R2
- A minimum of five years in an .ASP/.NET web development environment.
- A minimum of two years Java Development



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- Technically fluent in T-SQL, C#, and Java.
- Possess significant knowledge of client server and internet systems architectures.
- Knowledgeable in HTML, Classic ASP, .NET, MS Visual Studio, MS Access.
- Knowledgeable in the administration and security of MS SQL and MS Visual Sourcesafe.
- Understand complex database concepts as well as the implications of different database designs.
- Hands-on software troubleshooting experience; highly self-motivated and directed.
- Knowledge of project management and system development lifecycle (SDLC) techniques.
- Experience in mentoring and coaching IT staff members.
- Ability to communicate effectively, both orally and in writing.
- Ability to work independently and as part of a team.

### **PREFERRED QUALIFICATIONS:**

Demonstrated experience and expertise in the following areas will also be important considerations:

- Knowledge of MS SQL 2012.
- Technological capacity to translate business needs into concrete systems requirements for IT
- Experience with data warehousing/data mart concepts.
- Knowledge of content management systems.
- Familiarity with different social media channels, including but not limited to: Facebook, Twitter, LinkedIn, and YouTube.
- Exposure to, or direct experience with Social Media Management Platforms and an understanding of contemporary methodologies for social media tracking, aggregation, and analysis.
- Demonstrated ability to build effective relationships across diverse internal and external groups.
- High potential for strong and immediate contributions.

Salary is commensurate with experience.

To apply, please submit an electronic copy of a cover letter and resume along with a copy of [OSA's Voluntary Self Identification Form](#), no later than February 1, 2013 to [OSA.applications@sao.state.ma.us](mailto:OSA.applications@sao.state.ma.us)

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