

Massachusetts School Building Authority

Job Description

Job Title: Senior Web Application Developer

Department: Information Technology

Reports To: Director of Information Technology

FLSA/Grade: Exempt / 13

Salary: \$97,162. - \$145,743.

I. POSITION DESCRIPTION AND SCOPE

The Senior Web Application Developer is a key resource on the IT team responsible for analyzing the goals and technical challenges of the Authority and providing system solutions and frameworks for the MSBA websites and front-end interfaces that best meet the needs of the Authority. Responsibilities include analysis, architecture, development, testing, and implementation of the front-end applications which include complex and high-profile projects, ensuring an accurate and positive overall user experience. This position requires overall business and technical expertise ensuring application interfaces are reflecting the Authority's mission, while adhering to defined requirements, UI standards and best practices. The Senior Web Application Developer works closely with IT team members and is a key resource for the Web Application Developers.

II. ESSENTIAL FUNCTIONS AND RESPONSIBILITIES

- Analyze user requirements and translate them into the application architecture and front-end design.
- Design, develop, test, and implement component-based applications (enhancements and new interfaces as defined) including more complex and objective laden projects, within defined schedules.
- Stay current on new and evolving technologies and provide recommendations to best meet business needs and ensure a scalable, maintainable, user-friendly platform.
- Stay current and continue to maintain a strong understanding of MSBA business processes and workflow in order to develop and align web applications appropriately.
- Provide recommendations and prototypes for new and enhanced front end designs and technologies to ensure code base is current and to provide positive usability and intuitive user designs.
- Work with the Business Analyst and Database Development Team to design and develop cohesive solutions to support the business needs.
- Write and maintain comprehensive documentation, including dependencies, UI standards, version control, basic troubleshooting, and daily operations documents. Maintain and reengineer existing Authority custom applications, as required.

- Provide continuous review of computer systems and applications.
- Maintain quality and version control of all applications, as they are updated and revised.
- Support the Authority's and client users of web applications through problem solving and troubleshooting of various issues as they arise.
- Provide guidance and be a resource to other Web Application Developers on the team
- Support the development and ongoing maintenance of MSBA website, as required.
- Define and follow software release and archiving procedures.
- Follow policies, procedures, and Engineering standards and best practices.
- Adapt easily to changing technologies and support them, if required.
- Support the operational strategies and priorities of the Authority.
- Cross- train with colleagues on relevant services
- Maintain professional and technical knowledge by attending educational workshops; reviewing professional publications; benchmarking state-of-the-art practices; participating in professional societies.
- Perform other duties as assigned.

III. **REQUIRED KNOWLEDGE AND SKILLS**

- Bachelor's degree from an accredited college or university and 7+ years of relevant professional
- Proven experience as an application developer designing and building web applications
- Excellent understanding of software design, architecture and programming principles
- Strong understanding of UI design best practices and overall usability
- Expertise in VB.net/C#/asp.net web/windows development using Visual Studio, including application development, implementation, and testing.
- Expertise in HTML/JavaScript/JQuery/Silverlight and other latest client-side technologies
- Expertise in Microsoft technologies and understanding of web configurations in IIS
- Experience with Azure environments/apps
- Experience with SQL Server
- Direct experience with the various stages of the SDLC
- Strong analytical and problem-solving skills
- Ability to work both independently and as part of a team
- Must be self-directed, highly motivated, with a strong work ethic and customer service approach
- Great attention to detail and strong time-management skills
- Excellent verbal and written communication skills
- Experience with Microsoft technologies

- Ability to work in an Agile environment.

- Excellent analytical, technical, problem solving and project management skills with ability to coordinate complex projects with competing priorities and deadlines.
- Ability to work creatively, learn quickly and solve complex problems in high-pressure situations
- Task driven mindset as well as effective multitasking and follow-up skills
- Professional interpersonal style; ability to work and build trust with a diverse range of people

IV. **PREFERRED KNOWLEDGE AND SKILLS**

- Relevant Microsoft Certifications
- Masters in technical discipline
- Proficient in JavaScript and JavaScript libraries such as JQuery and Knockout, Bootstrap
- Experience with PHP and Drupal
- Proficient with other client-side technologies such as AJAX, etc...
- Proficient in object orient programming.
- Ability to work with the Enterprise Library and a middle tier architecture
- Ability to write WCF, web services and security.
- Understand database concepts and ADO.net data retrieval.
- Understand LINQ and comfortable using VSS and TFS source code repositories
- Experience with hosting web applications and handling change management in the cloud
- Experience with Project Management Methodologies like Agile, and ITIL

This job description is intended to be general and will evolve over time. The description is subject to periodic updating. At management's discretion, the employee may be assigned different or additional duties from time to time.