



# U.S. Senate Sergeant at Arms Human Resources

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## Vacancy Announcement

**POSITION:**

SENIOR SOFTWARE SPECIALIST

**DEPARTMENT:**

Technology Development Services (Administrative Services)

**REQUIREMENTS:**

See attached Position Description

**SALARY RANGE:**

\$77,892 - \$116,831

**CONTACT:**

Human Resources  
Office of the Sergeant at Arms  
Room SH-142 Hart Bldg.

Fax Number: 202-228-2965  
[resumes@saa.senate.gov](mailto:resumes@saa.senate.gov)

**POSTING DATE:**

Tuesday, December 3, 2013

**DEADLINE FOR  
APPLICATIONS:**

TUESDAY, DECEMBER 17, 2013

**All applicants should submit a U.S. Senate Sergeant at Arms Application for Employment with a cover letter and current resume to the Human Resources Department.**

## VETERANS EMPLOYMENT OPPORTUNITY ACT

Hiring for this position is governed by the Veterans Employment Opportunity Act of 1998 ("VEOA"), as made applicable by the Congressional Accountability Act of 1995 ("CAA"). Pursuant to the VEOA, qualified applicants who are not current employees of the Office of the Senate Sergeant at Arms and who are disabled or who have served on active duty in the Armed Forces during certain specified time periods or in certain military designated campaigns ("veterans") may be eligible to receive a preference over non-veterans in hiring decisions. Family members of veterans may also be eligible to receive a veterans' preference if the veteran cannot claim his or her veterans' preference.

To be eligible for a veterans' preference, applicants must meet all of the requirements set forth in the VEOA and applicable regulations. Those eligibility requirements are summarized in the Application for Veterans' Preference, which is available at [www.senate.gov/saaemployment](http://www.senate.gov/saaemployment).

If claiming a veterans' preference, an applicant must indicate that he/she is preference eligible on the application or resume and must submit a completed copy of the Application for Veterans' Preference along with the supporting documentation specified on that form. If the Office of the Senate Sergeant at Arms does not receive the Application for Veterans' Preference and supporting documentation by the closing date, the applicant's claim for a veterans' preference may be denied.

Applicants may obtain a copy of the Office's Veterans' Preference In Appointments policy by submitting a written request to [resumes@saa.senate.gov](mailto:resumes@saa.senate.gov).

Individuals who are entitled to a veterans' preference are invited to self-identify voluntarily. This information is intended solely for use in connection with the obligations and efforts of the Office of the Senate Sergeant at Arms to provide veterans' preference to preference-eligible applicants in accordance with the VEOA. An applicant's status as a disabled veteran and any information regarding an applicant's disability, including the applicant's medical condition and history, will be kept confidential and will be collected, maintained and used in accordance with the Americans with Disabilities Act of 1990, as made applicable by section 102(a)(3) of the CAA, 2 U.S.C. §1302(a)(3). An applicant who declines to self-identify as a disabled veteran and/or to provide information and documentation regarding his/her disabled veteran's status will not be subjected to an adverse employment action, but the individual may be ruled ineligible for a veterans' preference.



## SENIOR SOFTWARE SPECIALIST

### NATURE OF WORK

This is senior professional and technical programming work analyzing, designing, developing, implementing and maintaining computer based applications supporting the Senate. Work includes extensive user contact to collect user requirements when defining overall system requirements. Work includes system analysis and design, programming, and conducting program and system testing. The incumbent must determine the tools and methods to employ in planning, designing and modeling the application. Work in this classification is distinguished from the Software Specialist by its level of system expertise, lead assignments, and development and implementation of Senate-wide systems. Work is performed under the general supervision of the Information Technology Manager, according to Senate development methodologies, and is reviewed through various testing and quality assurance procedures.

### EXAMPLES OF WORK

*(This list is not absolute or restrictive, but indicates approximate duties and responsibilities which may be redefined pursuant to operational needs.)*

- Analyzes user requirements to design system components and functional specifications, such as file formats, computer screen layouts, and program interactions; prepares detailed program design specifications; delivers data and system requirements for major or critical Senate systems.
- Troubleshoots programming malfunctions; analyzes malfunctions and takes appropriate corrective action (often in a time-sensitive situation).
- Leads a software development project team in applications development, implementing and testing client/server applications.
- Analyzes programs, data, and procedures affected by system modifications or additions.
- Designs, develops and implements computer applications to automate tests performed by Senate offices.
- Coordinates assigned projects; schedules and assigns tasks.
- Monitors existing systems; makes and implements enhancements to improve the efficiency of program operations and user information needs.
- Modifies programs to correct program errors previously undetected.
- Prepares implementation schedules for assigned applications/subsystems.
- Designs and programs database applications.
- Develops and implements procedures for software quality assurance, testing, and configuration management.



OFFICE OF THE SERGEANT AT ARMS AND DOORKEEPER  
UNITED STATES SENATE

- Designs and prepares test data and conducts program and system testing and debugging.
- Provides analysis, design, and technical support to co-workers; assists with identical techniques, design networks, and problem solving and debugging.
- Monitors contact with users and contact support of existing systems and new systems development.
- Prepares and maintains analysis and program documentation.

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**PHYSICAL DEMANDS AND WORKING ENVIRONMENT**

Work requires extended periods of confined sitting and hand-eye coordination working with computers.

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**MINIMUM QUALIFICATIONS**

Work requires a Bachelor's Degree in computer science, management information systems or a related field, and five to seven years of experience in developing software applications; or any equivalent combination of education and experience that provides the following knowledge, abilities and skills:

- Knowledge of programming languages and utilities and software packages for software development.
- Knowledge of structured and object oriented engineering analyses, programming techniques and design methodologies.
- Knowledge of diagramming, flow charting, detailed analysis and program documentation writing.
- Knowledge of software programs in use by Senate office staff.
- Ability to lead a team or critical systems programming assignment.
- Ability to prepare and check structured and object oriented programs.
- Ability to resolve program and system problems.
- Ability to communicate effectively, both orally and in writing and to translate technical language for non-technical users.

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**LICENSES, CERTIFICATION AND OTHER REQUIREMENTS**

None.

## **.NET/Visual Studio/SQL Server Developer**

The U. S. Senate is seeking a Senior Software Specialist to support its .NET/SQL Server 2012 application portfolio and backlog. The ideal candidate will have experience developing Windows and Web applications in a Microsoft Visual Studio 2012/SQL Server 2012 environment employing web services technologies to provide applications to the Senate community.

### **Responsibilities will include:**

- Working as part of a team or independently to analyze, design, code, test, and deploy new intranet applications on the ASP.NET framework in a Visual Studio 2012 environment using MVC.NET where appropriate.
- Working as part of a team or independently to analyze, design, code, test, and deploy new windows form applications in a Visual Studio 2010 environment.
- Providing a rich user experience with HTML and CSS using client-side frameworks such as JQuery, ASP.NET AJAX, JSON, XML where appropriate, with the resulting web pages working flawlessly across a variety of browsers.
- Designing and developing databases, including stored procedures and IS Packages for Microsoft SQL Server 2012 using T-SQL and CLR.
- Producing clear and concise technical and end user documentation, some of which will be incorporated into enterprise portal.
- Using source control tools to manage all project documents while adhering to configuration management best practices.
- Assisting the project technical leads with planning and analysis of the technical components of the project.
- Providing accurate estimates of time to complete technical tasks.
- Participating in test, staging, and production deployments of the developed code, ensuring minimal or no downtime during production deployment.
- Reporting progress on tasks to project technical lead.

### **Mandatory Requirements:**

- Minimum of BA/BS plus five to seven years of experience or equivalent combination of education and experience with the required or related technologies.
- Documented technical expertise and experience developing in Microsoft Visual Studio .NET, ASP.NET, C#, VB.NET, ADO.NET, JavaScript, JQuery, JSON, AJAX, HTML, SQL, Crystal Reports, SQL Server Reporting Services, Web Services, XML, Microsoft SQL Server 2012.
- Documented experience integrating end-user facing web applications with back office system via web services.
- Working knowledge of Windows Server 2008 and IIS 7 for the purposes of web application deployment and troubleshooting.

### **Desirable Requirements:**

- Knowledge of and experience with MVC, MVVM and related design architectural pattern.
- Experience identifying and documenting business requirements and translating those requirements into design specifications.

- Experience with Oracle development tools in an Oracle database environment desirable.
- Experience with HP Quality Center and Quick Test Professional.
- Experience with Subversion.
- Experience with Bootstrap.
- Experience with Java.

The successful applicant must be both an effective team player and capable of working independently, on occasion on multiple projects simultaneously. This position requires excellent analytical and technical skills, the ability to learn new technologies, and effective verbal and written communication skills. The ability to simultaneously undertake development, maintenance, and support activities is also required.

**All applicants should submit a U.S. Senate Sergeant at Arms Application for Employment with a cover letter and current resume to the SAA Human Resources Department. Applications and resumes can be emailed to us at [resumes@saa.senate.gov](mailto:resumes@saa.senate.gov), faxed to us at 202-228-2965 or hand-delivered to Room SH-142, Hart Senate Office Building. Please DO NOT submit any application or resume via U.S. Mail. Clicking on Apply Now will take you to the SAA Employment Application.**