

BEFORE

University IT Software Developer Contractor	
<p>Do you have experience developing custom scripts, creating applications and building integrations using 3rd party APIs? Are you looking to join an exciting team that has experience supporting and building applications to support Stanford University?</p> <p>This individual will be able to execute all programming tasks, including programming, analyzing, designing, developing, implementing, modifying, and maintaining computer programs. You will work on systems of small to moderate size and complexity or segments of larger systems.</p> <p>Core Duties:</p> <ul style="list-style-type: none"> Assess user needs and requirements. Design and develop applications that may involve sophisticated data manipulation Maintain and update existing programs. Troubleshoot and solve technical problems. Create programs to meet reporting and analysis needs. Design and implement user and operations training programs. Document changes in software for end users. Follow team software development methodology. Serve as technical resource with respect to applications. <p>This individual will be expected to possess programming and troubleshooting skills in order to resolve moderately complex problems where the analysis and resolution requires knowledge of diverse system components, such as: authentication, networking, firewalls, databases, operating systems, storage, and server hardware.</p> <p>Security focus will include standard practices for system and application security, application of Stanford security policies and practices including access control for Restricted Data classifications. Where not existing, create procedures to implement Stanford security policies and practices including Restricted Data classifications</p> <p>Qualifications</p> <ul style="list-style-type: none"> Ability to define and solve logical problems for technical applications. Basic knowledge of software engineering principles. Strong knowledge of at least one programming language. Keen to learn Java and web application technologies such as servlet, JSP, JSTL, XHTML, XSLT, PHP, CSS, Javascript, jQuery, and JSON and AJAX. Interest in working with Databases (Sybase, SQL, Stored Procedures, Query Tuning) preferred. Understanding of Web Services (REST, SOAP), XML and data persistence layer framework design and development preferred. Willing to select, adapt, and effectively use a variety of programming methods. 	

Make it clear what is required and what can be learned on the job.

AFTER

University IT - Software Developer 1 - One Year Fixed Term Role		
General	<p>Are you looking to join an exciting team and gain experience supporting and building applications to support Stanford University?</p> <p>In this role, you will contribute to all aspects of the software development life cycle, including programming, analyzing, designing, developing, implementing, analyzing data structures, modifying, and maintaining computer programs. You will work on systems of small to moderate size and complexity or segments of larger systems.</p>	
Core Duties	<ul style="list-style-type: none"> Design and develop applications that may involve sophisticated data manipulation Troubleshoot and solve technical problems Maintain and update existing systems Analyze user needs and requirements Create programs to meet reporting and analysis needs Document changes in software for end users Design and implement training programs for users and operations team Follow team software development methodology Create procedures to implement Stanford security policies and practices including Restricted Data classifications Serve as a technical resource with respect to applications 	
Qualifications	<p>Required</p> <ul style="list-style-type: none"> Basic knowledge of software development principles Strong knowledge of at least one programming language Understanding of data structures Knowledge of standard security practices for system and application security Basic understanding of diverse system components, such as: authentication, networking, firewalls, databases, operating systems, storage, and server hardware 	<p>Desirable</p> <ul style="list-style-type: none"> Keen interest to learn Java and web application technologies such as servlet, JSP, JSTL, XHTML, XSLT, PHP, CSS, Javascript, Query, and JSON and AJAX Interest in working with Databases (Sybase, SQL, Stored Procedures, Query Tuning) Understanding of Web Services (REST, SOAP), XML and data persistence layer framework design and development preferred Willingness to learn Stanford security policies and practices including access control for Restricted Data classifications Collecting data through means such as analyzing business results or by setting up and managing new studies Transferring data into a new format to make it more appropriate for analysis Searching through large data sets for usable information
Skills	<ul style="list-style-type: none"> Ability to define and solve logical problems for technical applications Programming and troubleshooting skills to resolve moderately complex problems 	<ul style="list-style-type: none"> Willingness to select, adapt, and effectively use a variety of programming methods Willingness to learn
Experience		
Other		