



JOB VACANCY

Response Due Date: July 27, 2011

Title and Salary Grade: Information Technology Specialist 5 (Special Expertise), NS
(Equated to Grade 27)
Item # 51203

Salary Range: From \$81,856 to \$100,822 Annually

Negotiating Unit: PS&T

Location: Planning and Technology,
COTS/Developer Support Unit
W. Averell Harriman State Office Campus, Bldg 12
Albany, NY 12240

Number and Status of Vacancy: One temporary vacancy. Five-year Term position under Section 66 of the Civil Service Law In-sourcing Initiative.

Travel Requirements: Occasional

Duties: This position is primarily involved in integrating existing and purchased software products/Commercial-of-the-Shelf products, with other Labor IT components to address the agency's business needs. These COTS applications must be customized with our existing business systems in the Service Oriented Architecture utilizing Java J2EE programming.

- Analyze the existing business requirements and documentation and propose solutions using combined assets including COTS applications. Identify inputs and outputs, screens, processes, and model the candidate classes and methods needed to accomplish the specified requirements.
- Perform system design work with COTS applications to design a new system and/or make changes to an existing system using the standard DOL framework design in a Service Oriented Architecture; use object oriented design techniques to break down functional modules;
- Utilize functional modules in the overall system design to accomplish an agile environment using COTS; identify the programs, processes, classes, methods, service objects and other components needed to accomplish the system requirements;
- Perform coding as needed to develop or modify the programs, services, business process flows, COTS products, classes and methods needed to implement the system and program design; programs in Java, J2EE. RAD, WID, Oracle RDMS and SQL, and

ANT according to SOA coding standards; build each program or class and work with the other team developers to integrate it into the system;

- Document business process models, RSA models, deployment efforts and review system documentation for completeness; monitor integration of modules and COTS products in the SOA environment; ensure project artifacts are organized in Rational Clear Case.
- Test each COTS product, program, method and class developed or modified to ensure it works correctly, depending on the environment, as a stand-alone program or within the object and correctly works with any other related programs, systems, classes or methods to be sure the requirements/specifications are complete and satisfied;
- Determine new COTS software needs and application;
- Diagnose problems and issues with the interface of COTS products and other system elements; propose solutions including preparing custom code, integration/mediation layer solutions, operating system and application server modifications;
- Coordinate/conduct system implementation and review. Ensure complete system documentation; identify bugs and prioritize fixes; mentor staff in COTS utilization, implementation, and documentation according to SOA standards.

Required Qualifications: Bachelor's Degree in Computer Science and six years of experience as an Application Architect and/or a Lead Application Developer.

The above experience must include all of the following:

- J2EE application architect, working with services to establish composite applications and using Service Oriented Architecture principles and related technologies;
- creating Service Models, Service Specifications, and other technical implementation documents;
- using IBM's tools: Websphere Process Server (WPS), Websphere Integration Developer (WID), Rational Software Architect (RSA);
- importing models from WBM into WID and RSA, and implementing service orchestration using Business Process Execution Language (BPEL);
- creation of XML, XSD Schemas and WSDLs;
- integrating 3rd party commercial off the shelf products in a composite application;
- using IBM's ESB tools: Websphere Message Broker (WMB), WPS and DataPower, for data mapping/transformation, and message flows/routing;
- using Websphere Service Registry and Repository (WSRR); and
- using Rational Software Architect (RSA), including the generation of Service Models, Service Classification Diagrams, and Sequence Diagrams.

Additional Comments:

THIS WILL BE A TEMPORARY APPOINTMENT FOR A DURATION OF UP TO FIVE YEARS UNDER CHAPTER 500 SECTION 66 OF THE IT IN-SOURCING INITIATIVE. After serving two

continuous years, candidates will have the opportunity to compete in an exam, which may result in a permanent appointment. For more information on the IT In-Sourcing Initiative, please visit: http://www.budget.state.ny.us/guide/ITInSourcing/IT_insourcing.html.

If you meet the required qualifications and are interested in applying, please forward a cover letter, resume and if applicable, documentation validating your educational credentials. Please reference job title and item number on your cover letter and/or resume when responding. Forward to one of the following contacts:

Email @ labor.sm.personnel.va@labor.state.ny.us

Fax @ 518/485-9495

If you have any questions, please contact our Personnel Office at 518/457-1220.