



## JOB VACANCY

**Response Due Date:** July 27, 2011

**Title and Salary Grade:** Information Technology Specialist 5 (Special Expertise), NS  
(Equated to Grade 27)  
Item # 51207

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

**Negotiating Unit:** PS&T

**Location:** Planning and Technology,  
Enterprise Architecture 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 ensures that technical SOA standards and related issues are implemented and resolved among the Architecture Team, Performance Testing Team, and Monitoring Team across Labor's IT enterprise and various systems/components.

- Plan and architect SOA Enterprise wide design including Enterprise domain models, and writing enterprise standards documents specific to SOA application development and architecture decisions supporting the enterprise SOA infrastructure;
- Oversee, contribute to and approve application architecture artifacts including: operational models, activity diagrams, sequence diagrams, service models, service specifications, architecture decisions and overall architecture diagrams;
- Design/architect enterprise wide security including services exposed to external agencies secured using transport level security and WS-security to assure integrity and confidentiality;
- Implement security using various token models such as x.509 certificates, kerberos tickets, userid/pwd credentials, SAML-Assertion etc;
- Advertise policies on security and quality of service for web service consumers to (external agencies) using WS-policies;
- Enforce Ws-Policies stored in Websphere Service Registry and Repository (WSRR) and to comply with the security specifications of external organizations using DataPower;

- Design and architect the enterprise standards for identity and access management to ensure adequate security and access controls to Labor's open system SOA applications, including the technical framework needed to accommodate roles and functions and integration with the statewide identity and policy repository (New York State Directory services);
- Design and architect the enterprise standards for Labor's web-facing systems using SOA (Service Oriented Architecture) including the use of WSDL (Web Service definition language), XML (extensible markup language), XSD (XML schema definition), and UDDI (universal description discovery and integration) using WSRR. WSDLs and XSDs are reviewed for adherence to enterprise standards;
- Design and architect the enterprise standards for the use of a BPEL orchestration engine such as Websphere Integration developer (WID), Oracle BPEL Process Manager, Apache ODE, JBOSS JPBPM, or ActiveBPEL to implement BPEL (business process execution language) to orchestrate various service layers in Labor's SOA;
- Design and architect the enterprise standards for the use of Labor's ESB (enterprise service bus) tools (Message Broker, Websphere ESB (WESB), and DataPower) to abstract consumer's consumption of services and to mediate service communication between disparate platforms;
- Design and architect the enterprise standards and best practices for Data Access Layer abstraction through such frameworks as Hibernate or Enterprise Java Beans (EJB) so that SOA composite application systems are abstracted from the backend data sources;
- Design and architect the enterprise standards and best practices for interpreting business process models to identify and document business items, business objects and services for the SOA composite application development teams; and
- Design and architect the enterprise standards and best practices for workflow design and integration points for SOA composite applications to create workflow patterns used by developers.

**Required Qualifications:** Seven years experience designing and developing enterprise-wide applications and system components within a Service Oriented Architecture (SOA) environment.

The above experience must include all of the following:

- Application of Business Process Execution Language (BPEL) implemented through Websphere Integration Developer (WID), Oracle BPEL Process Manager Apache ODE, JBOSS JPBPM or Active BPEL;
- Web Service Development using JAVA, XML;
- Integration of various platforms using Enterprise Service Bus (ESB);
- Data Access Layer Abstraction through such framework as Hibernate or Enterprise JAVA Beans (EJB);
- Identity and access management framework design; Service Model Design; Service Specification Design; Security Architecture including Data Power Skills;
- Business Process Modeling; Workflow Design; Business Domain Model Design;
- Utilization of Rational Tool Suite and Requisite Pro;
- Object Oriented Design; and
- Oracle and DB2 Databases.

**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](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](mailto: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.