



**INFORMATION IMPACT
International, Inc.**

Position Description
Posting Date: May 14, 2010
Closing Date:

<http://www.infoimpact.com/jobpostingcenter.cfm>

Job Title: Architect II – Enterprise Data Architecture (Architect 3, Software Architecture)

Company: Comcast

Location: Philadelphia Area

Department/Work Group: CET – Architecture & Technology Team

**Contact: Lisa J. Palumbo, Recruitment Consultant, 215-286-3411,
lisa_palumbo@cable.comcast.com**

Reporting Relationships : Reports to Chief Enterprise Data Architect

Job Description:

Data Architecture is a key element of the Enterprise Architecture function at Comcast. Under the guidance of the Chief Enterprise Data Architect, the enterprise data architect will focus on data integration, particularly real-time integration, and data services in the SOA stack. She or he will provide critical thinking and planning at the enterprise level as well as solution level data architecture as needed to support Comcast's SOA implementation. She or he will participate in the definition, and creation of architecture artifacts associated with reference architectures, blueprints, patterns, information as a service, physical data and database models, standards, technical stacks, governance, and technology obsolescence planning and management. Specifically, the enterprise data architect will perform the following tasks:

- Serve as the authority of data integration through data services, responsible for designing and developing the vision and plans of enterprise data services for accessing a single, abstracted view of disparate information across the company.
- Define data services implementation roadmap and deployment and operational frameworks, ensuring their effective utilization of data services
- Keep track of industry development as well as current internal implementations of performance enhancement technology such as caching at Comcast. Develop and maintain the vision of local and enterprise grid level roadmap for performance technology. Provide guidance and governance for performance technology implementations. Provides technical expertise in support of projects developing enterprise data services within the design parameters of SOA.
- Keep track of current implementations of emerging or leading-edge technology for large scale data management at Comcast. Develop and maintain the vision and roadmap for large scale (e.g. petabytes) data management.

Education Experience:

- 5+ years experience related to development, implementation and maintenance of data integration architectures
- In-depth understanding of Service Oriented Architecture (SOA), particularly around data services
- Strong understanding of data integration options and related frameworks in both OLTP and batch oriented environments. Solid understanding of issues, details and solutions of integrating diverse technology to deliver scalable, robust, highly available and high performance solutions.
- Solid understanding and working experience of applying application integration and data integration architectures for mission critical applications or systems. Demonstrated experience in full life cycle development and architecture planning/ implementation.
- Candidates must excel in verbalizing, designing and delivering complex service architecture designs in very large data systems. She or he must be familiar with the strategies, concepts, rationale, challenges, and best practices in a large high volume low latency environments. Ability to codify different approaches, strategies, and expectations into a unified architectural blueprint.
- Expert level skills to manage, document, evaluate and ensure compliance of Enterprise Architecture
- Experience of evaluating vendor supplied application development proposals for enterprise level solutions
- Basic systems, network and telecommunications knowledge and solid systems design skills. Superior project management/ consulting and leadership skills. Demonstrated ability to facilitate or guide complex, mission critical projects and to develop, participate in and lead multi-disciplinary work teams.
- Knowledge of J2EE platform, reuse strategies, enterprise wide components and messaging technologies.
- Solid understanding of Object Relational Mapping (ORM) frameworks and their advantages and pitfalls.
- Familiarity with the following: BEA Weblogic, Apache, JBoss, HP Servers, Dell X86, Cisco Routers/Switches, Tibco, Veritas NetBackup, Veritas Cluster Server, Java, C, UML, ER modeling. Familiarity with operating systems, e.g. Solaris, Linux, Cisco IOS, MS Windows 2000, XP.
- Must be technically competent in relational databases (e.g. Oracle 10/11G, Oracle RAC, MS SQL Server, Vertica, Teradata) mySQL and directories (e.g. x.500, LDAP)
- Relevant experience with large scale BSS/ OSS implementations in a telecom company is preferred.
- Ability to establish and maintain a high level of customer trust and confidence in the overall technology architecture, the architecture team's knowledge of and concern for customer requirements, and the change process to enhance the architecture.
- Ability to work with executives regarding technology issues.
- Strong negotiation and group facilitation skills; ability to move a process forward, while meeting the needs of a variety of clients.
- Collaborative, imaginative, resourceful, reliable, technically savvy.
- Excellent oral, written, and presentation communication skills.

- Bachelor's degree in Computer Science, Engineering, or related discipline, or equivalent. Master's degree desirable.

Six Month Justifications:

Document end-to-end activities for all the performance technology implementations and develop the convergence roadmap:

- Gather information and interview stakeholders to document an overall data map including major data repositories and systems, including interactions, on one picture, and provide supporting documentation.
- Document the current implementations of performance technology enhancements such as Memcached, EHCACHE, Coherence, TimesTen, FastDB, eTrust Data Grid, etc.
- Gather information and interview stakeholders to document the current implementations of data services which provide a single view of data across physical repositories for SOA services. Identify quality and performance improvement opportunities.
- Gather information and interview stakeholders to document data management implementations such as RDBMS, RIAK HOSS, etc., for large size of data across the company. Identify convergence or reuse opportunities.
- Establish the Performance Technology Center of Excellence with defined membership and activities within Comcast enterprise.