

Technology Project Leader**Big Data Platforms • Technology Integration • Team Leadership**

Business-focused technologist with proven success leading teams to break new ground in their efforts to architect, deploy, and operationalize best-of-breed data processing and analytics software solutions. Effectively communicates complex technology solutions to the entire spectrum of business and technical principals balancing schedule, scope, quality, and cost constraints. Enjoys mentoring smart and motivated teams to achieve to their potential. *Intelligent, collaborative, focused, and results-oriented.*

Specific Expertise: Enterprise Project Management • Software Architecture • Data Design and Integration • Relational Database Management • Infrastructure Consolidation • Systems Performance Tuning • Agile/Scrum and Waterfall Software Development (SDLC) • Cost-Benefit and ROI Analyses • Software Verification and Validation (V&V) • Vendor Management • Contract Negotiation • Budgeting • Use Case Development • Risk Identification and Mitigation

PROFESSIONAL EXPERIENCE**INFINITEIQ CONSULTING, LLC (ATLANTA, GA)****2013–present****Principal**

A consulting company with a simple driver: to cost-effectively assist its clients in successfully navigating the evolving Big Data landscape and driving business value from the investment.

- Authored the inaugural Data Science Certificate program for the University of South Dakota's Beacom School of Business
- Big Data practice lead and mentor
- Currently working on early stage product development for a smart-grid product that leverages NoSQL platforms such as Neo4J graph database and the Hadoop ecosystem

PRIMARY KEY TECHNOLOGY SOLUTIONS, LLC (ATLANTA, GA)**2009–2012****Principal**

A consulting company engaged in projects requiring IT leadership and innovative solutions specifically as it applies to the management of cutting edge enterprise data platforms. Experience includes leading projects that involved the following:

- Vendor and technology selection of OLTP, OLAP, Data Integration, and Big Data offerings
- Three-layered data platform architecture and design including next generation data processing systems and frameworks including StreamBase Event Processing (CEP), Hadoop (including Map/Reduce, Flume, Sqoop, Hive, Zookeeper, Oozie, Cloudera Manager), and Tableau
- Implementation of a 40-node / 480 TB Hadoop cluster
- Data ingest and pipeline data specification and development – pulling from 5 transactional sources with associated source (RDBMS) / sink (HDFS) orchestration
- Design of web services as part of Mule ESB integration into data analytics infrastructure in effort to deploy data analytics API to external customer base using REST/XML, REST/JSON, and SOAP standards
- Migration of line-of-business OLTP system responsible for \$13 billion of face value with no unplanned downtime
- Evaluated Intel Expressway API Manager
- Leveraged Atlassian's suite of tools including Bamboo, Confluence, and JIRA

INTERACTIVE COMMUNICATIONS (ATLANTA, GA)**2006–2009**

Interactive Communications (InComm) is the industry leading marketer, distributor, and technology innovator of stored-value gift and prepaid products. With 145,000 partner locations generating nearly \$ billion in retail sales and \$300 million in revenue, InComm reaches hundreds of millions of customers every week.

Enterprise System and Software Architecture 2007–2009

Led a team of 14 forward-thinking systems and enterprise Java software architects responsible for driving strategic IT projects that directly affected revenue.

Selected projects:

- **Project InVision.** Oversaw the design and implementation of v2.0 of InComm's transaction processing system (TPS) re-architecture.
 - The implementation was based on SOA principles and patterns leveraging the Fiorano Enterprise Service Bus allowing for a configure-not-code deployment model.
 - SOA design for generic message transformations, transaction workflow, registration, caching, and entity-based services.
 - Technology architecture included Fiorano ESB, Java, CXF, Spring/Spring MVC, JMS, Drools, EhCache, Servlets, JBoss, EJB, Hibernate, Oracle, Tomcat, LDAP, XML, and XLST.
 - Led project using a customized SCRUM / Agile methodology for development using Scrum Works and JIRA / Greenhopper.
- **Disaster Recovery.** Led a three-phase approach to provide geographical redundancy for the core TPS infrastructure. Relevant tasks include:
 - System and application identification and migration group identification.
 - Site survey and selection.
 - Vendor and license negotiation and management.
 - Cross-functional team management and executive sponsorship communication.
 - Risk identification and mitigation.
- **Globalization Project.** Led the discovery effort to horizontally scale the processing infrastructure to support organic growth in a non-stop 24 / 7 / 365 fashion, serving merchants worldwide across the North / Central / South America, Asia / Pacific, and European geographies.

Technology Operations/Database Systems 2006–2007

Operations interface to the VP of Information Technology and the CTO; responsible for line-of-business transaction processing and infrastructure systems.

Selected projects:

- **Holiday Readiness.** Led the annual holiday preparedness project for FY2007.
 - A 6-month effort coordinating systems benchmarking and load testing with some of the largest retail merchants in the world.
 - Project resulted in the most successful holiday season in company history at the time, achieving 99.99% system availability and \$300 million in annual revenue.
 - Heavily leveraged various Application Performance Monitoring (APM 1.0) techniques along with custom JMeter test plans.
- **TPS Virtualization.** Leveraged VMWare's ESX VI3 to virtualize the J2EE tier of TPS application servers achieving a consolidation ratio of 20:1 (virtual to physical) per host.
 - An early proponent of enterprise virtualization, this project's completion resulted in an environment comprised of approximately 500 application servers running in a purely virtual environment.
 - Project was instrumental in managing software licensing and hardware cost to very aggressive budget constraints.
- **Site Consolidation.** Scoped, planned, and executed the successful integration of three business acquisitions into the InComm Atlanta datacenter facility with no unplanned downtime.
- **SAS70 Type 1.** Led the effort from an operations standpoint to the passing of SAS70 Type 1 compliance.
 - Project included in depth risk identification matrix and detailed planning of remediation tasks and communication points.

Systems Infrastructure 2006–2006

Responsible for the management of the production infrastructure team comprised of a team of ten infrastructure engineers.

- **Standard Operating Procedures.** Implemented a system of best practices for server builds and storage provisioning as well as a series of monthly KPIs to provide insight into operational performance and goals.

JOSEPH S. MARINO

5145 ROSWELL ROAD NE • UNIT 5 • ATLANTA, GEORGIA 30342

404.513.9772 MOBILE

JMARINO@IIQCONSULTING.COM

- Communicated requirements more effectively to the individual business practices while providing the team the ability to anticipate potential bottlenecks before experiencing unnecessary complications due to lack of environmental visibility.
- **Storage Area Network Migration.** Production migration of line-of-business transaction processing system.
 - Consolidated a live, mission-critical environment of six fabrics down to two. Resulting I/O performance dramatically reduced database queuing from the thousands to under two per physical spindle allowing the business to respond more nimbly to their rapidly increasing data performance needs.

INDEPENDENT CONTRACTOR (ATLANTA, GA)

2005–2006

Contracted by InComm to remediate performance issues in their systems and storage environment.

UNISYS CORPORATION (NORCROSS, GA)

1999–2005

A worldwide information technology services and solutions company. Its core offerings include systems integration and consulting services, outsourcing services, infrastructure services, maintenance services, and high-end server technology.

Architectural Consultant

Collaborative partnership with the North American Sales Team resulting in the successful sale, implementation, migration, support of their enterprise database solutions (hardware and software). Project spectrum ranged from both tactical implementations to strategic CxO-level advisement.

Selected accomplishments:

- Recipient of five Global Recognition Awards for outstanding performance and delivery
- Selected member of the Unisys Technology Consulting Services Worldwide Advisory Committee on Microsoft SQL Server. This was a collaboration with Microsoft's Worldwide Customer Advisory Team (SQLCAT), which is charged with resolution of the most mission critical SQL Server deployments in the world.
- Member of the Unisys Technology Consulting Services National Business Intelligence Team
- One of ten selected nationally for the Unisys Technology Services High-Achievement Initiative
- Technical Advisor for the Microsoft Whitepaper, "Scaling SQL Server 2000 on the ES7000"
- Regional Lead for Microsoft SQL Server for the Southeast Region of Technology Consulting Services

FORMAL EDUCATION

M.S., Information Technology, **Carnegie Mellon University**, 2011
Highest Distinction (QPA 4.07: un-curved average of 94%)

Relevant coursework:

1. Data Warehousing and Business Intelligence
2. Data Management
3. Decision Making Under Uncertainty
4. E-business Technology and Management
5. Financial Accounting
6. Geographic Information Systems (ArcGIS and data integration)
7. Hacking Exposed (Systems Penetration)
8. Information Security Management
9. IT Project Management
10. Managing IT Systems Development
11. Managing Software Development
12. Object-oriented Analysis and Design (OOAD)
13. Object-oriented Programming in Java (OOP)
14. Software Architectures
15. Telecommunications Management