

Louis J Iacona

Solution Architect, Application Developer,
Technical Lead/Manager

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Technologist with 20+ years of application development experience over a wide range of business domains, and all lifecycle phases. Pragmatic practitioner of agile approach, with a focus on business driven results. Solid history with range of organizations sized from 7 employees to 100,000 employees.

Product Development

Application Architect – Solution Architect – Application Designer/Developer
Technical Leader – Mentor -- Data Model/Architect – Technical Pub Author

Professional Experience

Solution Architect, JetBlue Airways – New York, NY

March 2009 – Present

Customer Support System (CSS) project. Assignments focused on a sweeping renewal effort around the Customer Reservation (from OpenSkies Navitaire to Sabre SabreSonic Res) and related systems for this fast growing airline. Served as lead Solution Architect for the following efforts:

- Facilitated and documented:
 - CSS total Solution Architecture
 - 'Cashless Cabin' onboard commerce Solution Architecture
 - Integration standards between Business Partners, and between JetBlue and external systems.
 - Best practices and standards around corporate data warehouse, and redesign/architecting thereof.
 - Identification and mitigation of architectural risks.
- Contributed to defining aspects of enterprise architecture including:
 - Technical Standards and Assessment Process
 - Business domain taxonomy and enterprise architecture mapping
 - Architectural best practices
- Systems architecture refactoring around legacy messaging/communication solutions.
- CSS cutover execution support

Software Designer, HP Software – Paramus, NJ

March 2007 – March 2009

Client Automation and Virtualization R&D Team. Assignments focused on the RADIA OS Manager suite, including:

- Lead R&D for "Virtual Appliance" Management on deployed client targets.
 - Proposed XML/XSL based solution for browser based management solution.
 - Designed and lead implementation of the [HTTP based] VA agent (Tcl on BusyBox solution).
- [re]designed and led implementation of OS configuration publishing model. Model is attached to an OS deployment-policy driven engine, and leverages native Linux/UNIX network installation tools – Autoyast, Ignite, Kickstart, Jumpstart and NIM.
- POC-ed management of Thinstall based application [level] virtualization.
- Engineering Best Practices committee member – focusing on iterative product development and related product lifecycle activities.
- Assumed responsibility for product CR-backlog – including I18N/L10N efforts for scripted (bash and Tcl) modules.

Director of Development, onProject, Inc. – Cedar Knolls NJ**July 2004 – March 2007**

Primary role was to lead (up to 7 developers) and participate in the effort to assess requirements, design and implement the next generation scheduling application (onSchedule-5.0) for residential homebuilders. (The legacy application [onSchedule-4.0] was implemented in Cold Fusion). The scope of the application's new release covered 125+ use cases and 300+ unique UI views. Roles/activities included:

- Roles: lead application architect, technical team manager, lead designer/developer, liaison to product manager and business owner stakeholders.
- Lead inception/elaboration phases of project and participated in translating application requirements into formal use cases.
- Interviewed and selected technical staff members that formed the core product development team.
- Provided methodology/technology mentoring to technical staff.
- Technology platform selection: Java/J2EE: Websphere Application Server, JUnit, Struts 1.x, Cocobase (eventually replaced by hibernate), and a variety of generally available 3rd party comports such as Quartz, DisplayTag, XML-Beans, POI/HSSF, Log4j and many others.
- Formulated high-level application architecture.
- Designed and implemented a component test-harness framework and automated "unit test sweeper".
- Designed and developed Data Model, its respective relational schema and domain object set, and persistence management approach.
- Defined and designed exposed web services end points – for integration, data query and hand-held client synchronization.
- Led architectural and technology selection planning/execution to allow ASP/SAAS model to be functional, and performance and cost scalable.

Professional Services Leader/Manager, ICP – New York, NY**Feb 2003 – July 2004**

Major efforts included:

- Led the design and implementation of several composite applications for a major food conglomerate using Websphere HATS (Host Access Transformation Service).
- Led the design and implementation of a pilot [Websphere] Portal for a major food conglomerate. The focus of the pilot phase revolved around Customization/Personalization strategies for an expanding user base.
- Managed 3-4 senior consultants
- Provided methodology/technology mentoring
- Conducted Websphere product analysis and constructed proof-of-concept testbeds for the following:
 - Websphere HATS
 - Websphere Portal
 - DB2 Discovery Link / DB2 Connect

Senior Consulting Engineer, OmniE Labs, Inc, Morris Plains, NJ**1997 - 2003**

OmniE Labs was a dynamic early stage organization that provided both product and service offerings. Senior Consulting Engineers contributed to the SDLC for internally developed products, and made significant contributions to professional services engagements to a wide range of customers – mostly early stage '.com' organization looking to launch their own product or services offering. Additionally, the role required the mentoring of junior staff, formulation and documentation of applied best practices, and project leadership.

Major projects included:

- Contributed to the design and implementation of a *Sarbanes Oxley* (SOX) application – S-O Comply.
- Design/prototyping of major [publicly traded] residential home-builder application-suite.
 - Use Case gathering and documentation.
 - Data model and database schema design / implementation.
- Design/development of a medical patient management application – with HIPAA requirements (PrivaNotes).
 - Desktop GUI.
 - User profile and authorization security components.
 - Data model and schema design.
 - Domain objects design/implementation.
 - HL/7 based interface to 3rd party billing system (MicroMed) implementation.
- Web based 'WRAP account management application.
 - Data model and schema design.
 - Development//transition DBA
- Opinion polling community website design and construction - [QTopics](#)
 - Use case documentation.
 - Domain object design and implementation.
 - User profile and authorization components.

Design/development of Web based training application (KoTrain/K5):

- Designed and animated diagram creation/rendering sub-system.
- Implemented Learning Event (training session) scheduling functionality.
- Ported initial prototype to Windows/SQL-Server, Windows/Oracle and Solaris/Oracle platforms.

Senior Software Engineer, ESPI, Inc, Shrewsbury, NJ

1995-1997

Contributed to the specification, design and development of a communications architecture reference-implementation sponsored by major telecommunications vendor.

Prior Employment Highlights

Member of Technical Staff: Bell Laboratories / [Bellcore](#) Major projects included:

- Workstation Software Factory Project:: the assembly and delivery of a common tool/library environment for 1000+ development staff.
- *Intelligent Network Services Testbed* – the POC of dozens of software centric voice and data services designed to leverage voice and data convergence, and programmable components.
- *Automated System for Performance Evaluation of the Network* – the design and construction of an automated system to gather store and analyze end-to-end voice and data transmission performance.

Miscellaneous Consulting Assignments

- Served on 'Expert Witness' team contracted in IVR-software patent infringement litigation (2009).
- Designed and implemented a relational data model for a computing-resources planning and performance management tool (2004).
- Designed and implemented platform independent data/schema migration tool (2001).
- Designed and developed ISP operations/management software (peakaccess.net) (1995).

Qualifications Summary - Core Technical Competencies

- Agile test/design/development and life-cycle management tools and frameworks.
- Object-Oriented analysis, design and implementation, reusable design patterns.
- Data Modeling, schema design and implementation.

- Web/Internet development and platform technologies.
- Tele/Data Communications technologies and services.
- **Methodologies/Frameworks:** OOA/OOD/OOP, Rational Unified Process (RUP), use-case analysis and elaboration, and lighter weight agile such as Scrum and XP.
- **Development Languages:** [Java](#), C/C++, Korn/Bourne/bash Shells, [Perl](#), [Python](#), Tcl/TK.
- **Operating Systems/Platforms:** Windows, Linux, Commercial UNIXs, VM-Ware and other virtualization platforms.
- **Application Servers / IDEs:** IBM Websphere, Tomcat/Jboss, [ATG Dynamo](#) - Eclipse, RAD/RSA, NetBeans
- **GUI Development:** Java AWT/Swing, JavaScript, Tcl/TK and X/Motif toolkit, DTKsh.
- **Markup/Interchange:** [D]/HTML, JSP, PHP, XML/XSL and related standards.
- **DBMS/Data Access:** Oracle, MySQL, MS/SQL-Server, Sybase, DB2 / Informix – JDBC, ORM Tools such as [Cocobase](#), [Hibernate](#).

Education

- BS Computer Science/Math – City University of New York (CUNY)
- AAS Computer Science – CUNY

Publications

- Linux Journal – TBP 07/15/2010 - "Internationalizing Those Shell Scripts".
- JavaWorld.com – 3/31/2009 – "[Lampport OTP Overview and Reference Implementation](#)"
- Linux Journal – 04/2008 – "[Puppy Linux](#)"
- Websphere Journal 04/ 2004 – "[Websphere HATS – HATS off to Legacy](#)"
- Linux Journal – 11/2002 - "[Dogs of the Linux Shell](#)"
- Linux Journal – 10/ 2001 - "[The At Utility – At Your Service](#)"
- Linux Journal – 06/1999 - "[The Awk Tool](#)"

References

Several professional endorsements can be found at: <http://www.linkedin.com/pub/louis-iacona/2/108/258> Additional professional or personal references can be provided on request.

A note from Louis Iacona

I started my career with Bell Laboratories where my initial assignments revolved around automating the acquisition and analysis of network transmission performance parameters. I later transferred to Bellcore to focus on proof-of-concept testbeds for forward looking voice and data services.

I left Bellcore to join, or help form, multiple early stage organizations whose missions were focused on providing services/products around emerging Web technologies and voice/data convergence trends. I am currently on contract assignment with JetBlue Airways.

Although I've had job titles ranging from Member of Technical Staff, Solution Architect and Development Director, I've always managed to remain engaged in the technology – the execution side of addressing needs and solving problems. I've been fortunate enough to participate in the full life cycle of some very challenging projects, applying cutting edge technologies and approaches.

If you're looking for someone with broad and deep software product design/development experience and an appreciation for the business drivers that pay our salaries, I look forward to discussing opportunities with you. I have a track record of adapting to a wide range of roles and circumstances, and want to be challenged.

Appreciate your consideration!

Regards,

--Lou