

Larry Joseph Liberto Jr.
Software Architect, SOA Expert, and Systems Integration Specialist
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Overview

- Service Oriented Architecture [SOA] expert with over six years SOA framework architecture experience
- Software Architecture Expert
- Messaging Systems and Web Services expert
- Over twenty five years of professional development experience in the Information Technology industry. This experience includes Java development beginning with its initial release, eighteen years of COBOL and Visual Basic, and many years of C and C++ experience.

Associations

- International Association of Software Architects Member (IASA) Founding Member of Monongahela Valley Chapter.
- Order of Vitruvius (OoV) Founding Member of Multidisciplinary Architectural Research Organization.
- Member of Phi Theta Kappa International Scholastic Honor Society.

Education and Certification

- Bachelor of Science in Computer Science 1993, Graduated Cum Laude, West Virginia University Morgantown, WV
- Associate of Applied Sciences in Computer and Information Processing 1991, West Virginia Northern Community College Weirton, WV
- President's List: Jan, 1991; May 1990; Jan., 1990.
- Dean's List: May, 1993; Jan, 1992; May, 1991.
- Outstanding Student Award: West Virginia Northern Community College, 1991 and 1990.

Technical Summary

Languages/SDK:	Ada, ArcGIS, Assembler, Basic, C, C++, COBOL, COBOL II, MicroFocus COBOL, CSP, DMQ (DEC Message Queue), FORTRAN, GJXDM/GJXDD, Hibernate, Java 2, Java, J2EE, Java Servlets, JSP, JMS, JNDI, JNI, JAI, Java2D, JAXB JavaScript, Lisp, MQ, Pascal, Perl, PLI, PostGIS, REXX, RPG, SAS, Smalltalk, UML, Visual Basic, Vispro REXX, Web Services [REST, SOAP, XML-RPC], XML (SAX Parsers & DOM Parsers), WSDL, WADL, Informatica PowerConnect SDK, Aware NISTPack
Database:	Oracle (PL/SQL), DB2, Paradox, PostgreSQL, MySQL, MS SQL Server, MS Access, SQL, RDB
Operating Systems:	Sun Solaris Unix, IBM AIX Unix, HP-UX, Linux [Debian, Ubuntu, RedHat, Slackware, Mandrake], Windows (2000, NT 4.0, 9x, XP), OS/2, MVS, VMS, DOS, PalmOS
Platforms:	Apache HTTP Server, Apache Jakarta Tomcat, Apache Axis [SOAP], Apache Jakarta Struts, BEA WebLogic, BEA Tuxedo, MS IIS, JBoss, elementone SOA Framework, GeoTools GIS toolkit, phpWebSite
IDE/Development:	Eclipse, NetBeans, JBuilder, IBM VisualAge for Java, Symantec Cafe, vim/vi editor, MS Visual Basic (5.0, 4.0, 3.0), MS Visual C++, Visual J++, Visual Studio
Source code processing:	Apache Jakarta Ant, Subversion Revision Control System, CVS, Visual SourceSafe, Rational ClearQuest, CruiseControl, All Fusion Harvest, LMS
Systems Administration:	Unix, GNU/Linux, DNS, Bind, Apache HTTP Server, Apache Jakarta Tomcat, WebLogic, JBoss, SSH, Telnet, FTP, inetd, firewall configuration, PostgreSQL, MySQL, Sendmail SMTP, POP3, Perl5, init process, TCP/IP networking, systems mirroring, systems backup
Management/Leadership:	Organizational planning/management, project management, free/open-source project management, design review, team lead, data integrity manager, hiring, team building, Agile software development methodologies
Other:	Active Directory, ABC Flowcharter, BIRT, Biscom FAXCOM, Blat, CrystalReports, dotProject, ECCO, ESRI's ArcGIS (ArcIMS, ArcSDE), EXTRA, Freelance Graphics, GiMP, GeoTools, iPhoto Plus, Informatica, JasperReports, jFreeChart, LDAP, Lotus, LView Pro, Microsoft GIF Animator, Microsoft Office, Microsoft Project, OpenOffice, PaintShop Pro, PostGIS, QMF, QMF/6000, Quantum GIS, VISIO, WIN-FAX, WordPerfect

Experience Highlights

***Thermo Fisher Scientific International Incorporated
Pittsburgh, PA***

2006 – present

Senior Web Application Engineer/Architect/Functional Expert

- SmartiST/iRIMS - Responsible for the design, development and maintenance of a Web & Cloud Based, Enterprise Level, E-commerce, Requisition Ordering and Inventory Management System.
- These systems utilizes Informatica, AngularJS, Java, JEE, JSP, JAXB, JavaScript, JMS, Oracle, Objective C, Struts, WADL, JBoss, XML, Web Services(REST & WebMethods), Ant, CruiseControl and Harvest.
- SmartiST/iRIMS components are developed and deployed on Windows, Sun, Linux, iOS and Amazon Cloud platforms.

createTank, LLC, Bridgeport, WV

2005 -- 2008

Senior Software Architect/Software Engineer

- Service Oriented Architecture [SOA] expert
- Software Integration expert
- Research and Development of Advanced Architectural Concepts
- ScoutCache – Senior Architect and developer of a Geographical Information System (GIS) based, open source application used for recording and reporting GIS information concerning scouting events. These events focus on the popular hobby of GeoCaching. ScoutCache utilizes Java, J2EE, XML, Castor, Tomcat, GeoTools, Quantum GIS, Vespucci, and elemenope.
- Vespucci – Senior Architect and developer of a Geographical Information System (GIS)/Geospatial Service-Oriented Architecture (SOA) Framework. Vespucci utilizes Java, J2EE, Java Advanced Imaging (JAI), XML, Castor, GeoTools, Quantum GIS, and elemenope.
- Teramoto - Architect and developer of GIS application for seismic event and resultant compressional wave (P-Wave) mapping and study. Utilizes Java, J2EE, XML, JAXB, WADL, Tomcat, GeoTools, Quantum GIS, Vespucci, Postgres PostGIS, and elemenope.
- elemenope – Developer of a Service Oriented Architecture [SOA] and general messaging framework.
- RosettaType – Architect and designer of a Free and Open Source [FOSS] project to research and implement multiple engines for generic software object abstraction to a common structure [RosettaType]. Allows transport of any object over any implemented protocol, to/from any language in standardized fashion. Implementation of JMS, XML-RPC, Direct, and XML engines. Utilizes Java, J2EE, XML, and Castor.

Azimuth, Inc./Lockheed Martin, Morgantown, WV

2004 -- 2006

Systems Architect/Software Engineer

- Unable to disclose some project details.
- Software Engineer and Architect for Federal Law Enforcement and Military Agencies (Government Subcontractor).
- Obtained DoD and DoJ Secret Clearances as required for the projects.
- Lead architect and developer for Geographical Information Systems. Utilizes J2EE, JSP, Jasperreports, JavaScript, JMS, AXL, ArcSDE, ArcIMS, Oracle, WebLogic, Tomcat, Jboss, elemenope, and Web Services(SOAP & XML-RPC).
- Architect and lead developer for a Biometric Information System. Utilizes BIRT, Castor, Hibernate, Java, J2EE, JSP, JavaScript, JMS, Oracle, Tomcat, Jboss, elemenope, and Web Services(SOAP & XML-RPC).
- Lead developer for the integration of COTS ASP application with existing Java/JSP system for NIBRS data collection. Utilizes ASP, Java, J2EE, JSP, Oracle, and WebLogic.
- Designed and developed enterprise level J2EE web applications running on JBoss, WebLogic and Tomcat application servers. Utilizes Global Justice XML Data Model (GJXDM), LDAP, Java, J2EE, JSP, JavaScript, JasperReports, jFreeCharts, Oracle, and WebLogic.
- Designed and developed Java Swing applications and Java Utility classes to support Windows clients for automated faxing system. Utilizes Java2, Java Advanced Imaging (JAI), Microsoft Outlook, Active Directory and Biscom FAXCOM.

Open Source Contributions

2005 -- 2010

Architect and Developer

- CruiseControl, is a Java-based, continuous integration framework which completely rebuilds and tests an application frequently. At its core are plugins for source control tools.
 - Designed, Developed, and contributed a source control plugin for CA's All Fusion Harvest Change Manager version 5.1.1.
- RTFDoclet is a simple doclet used to generate Javadocs as a single RTF format document.
 - Contributed configuration utilities for the specification of font, size and color formatting.

Weirton Steel Corporation, Weirton, WV

1993 -- 2004

Manager of Customer Relations for Operations Planning (from 2003 - 2004)

- Responsible for customer relations between the Operations Planning department and steel consumers.
- Continued to supervise employees responsible for data integrity of production data.
- Continued Software Engineer/Senior Analyst duties.

Supervisor of Production and Inventory Control (from 2001 - 2003)

- Supervise employees responsible for production data integrity.
- Continued Software Engineer/Senior Analyst duties.

Software Engineer/Senior Analyst/Web Master. 1999 - 2001 (from 1999- 2001)

- Management of all hardware and software needs for the Operations Planning Department.
- Supervisor of UNIX system and database administrators on IBM AIX RS6000 platforms.
- Intranet Web Master for the Logistics and Integrated Scheduling project. Responsible for Web Servers deployed on AIX, Windows NT, and OS2 Platforms . Also responsible for developing systems utilizing Java, Perl, Visual Basic, Rexx, and HTML as well as imaging software.
- Operations Planning liaison for Corporate Intranet. Recommend hardware and software used by developers as well as specify and design content relevant to the Operations Planning department.
- Project lead/developer for conversion of existing client/server Visual Basic scheduling system user interface to Web-based Java application.
- Analyst/developer responsible for multi-platform slab forecasting system. Worked closely with planning personnel to develop a slab forecasting system, requiring data from multiple legacy systems to more accurately estimate future needs of purchased slab inventory. This system required the extensive use of DB2, Microsoft Office, and Forecast Pro Batch.
- Project leader/developer of Weirton Steel's real-time Inventory Levels system. Lead a small team of developers who gathered real-time data from plant-floor systems via a homegrown interface to produce a graphical Inventory Level application using DB2, Perl, Microsoft Office, and Blat.
- Design, develop, implement and maintain future systems to further automate tasks performed by Operations Planning and Webco personnel.
- Trained employees in introductory Unix, Linux, Bash shell and Korn shell.
- Trained employees in introductory and intermediate Visual Basic, COBOL, Excel, SQL and ODBC.
- Technical liaison for Webco International, a Weirton Steel joint venture company. Assisted Webco with computer hardware and software needs.
- Analyst/developer responsible for the design, development, implementation and maintenance of Webco's Order Status System using DB2, Perl, Blat and Microsoft Office. Worked closely with Webco Management, Weirton Steel Management, and other Weirton Steel developers to create a real time order status system for Webco.

Software Engineer/Systems and Applications Analyst (from 1993 - 1999)

- Member of Integrated Scheduling development team. Responsibilities include:
- C-Weld modeling project leader, co-developer of Sheet Mill galvanize line models, maintenance and development of integrated scheduling system, maintenance and development of GUI interface system.
- Systems Administrator on an RS6000 using AIX, DCE & DFS.
- Intranet WEB Master for the Logistics and Integrated Scheduling project.
- Developer of Java based JDBC Applets for use in Hot Mill Scheduling on Intranet.
- Responsible for the configuration of Windows and OS/2 workstations within the Logistics and Integrated Scheduling project.
- Designer and developer of GUI Change control/Incident system in REXX and Visual Basic.
- Member of Caster/Hot Mill scheduling design and development team.

- Trained employees on AIX operating system, the modeling of production units, and the GUI Scheduling System.

West Virginia University, Morgantown, WV

1993

- Department of Statistics and Computer Science
 - Teaching Assistant
 - Computer Science 5, An introduction to Computer Science – Instructed students on the basics of IBM PC DOS, Lotus, and DBase.
- Department of Housing and Residence Life
 - Computer Consultant
 - Supervised and instructed computer users on proper computer use from packaged software to systems development for Macintosh computers, IBM PC's, VAX 11 minicomputers, and Sun Workstations.

Weirton Steel Corporation, Weirton, WV

1990 -- 1991

Internship

- Responsible for the design, development and implementation of a manpower hour forecasting model.

West Virginia Northern Community College, Weirton, WV

1989 -- 1991

Computer Lab Assistant

- Assisted students with projects on the VAX 11 minicomputer and IBM PC's. Responsible for word-processing, databases, COBOL, Basic, and RPG.

Ada Software Development Inc., Weirton, WV

1988 -- 1990

Software Designer/Developer

- Member of Software Design and Development team specializing in the Ada programming and Government contract work.