

Joseph P. Edwards

Application Engineer, Solutions Architect, Development Lead

*Results = Skills * Experience*

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Summary of Qualifications

With over 20 years of experience in the IT industry, Mr. Edwards has acquired a broad and deep set of skills that span enterprise architecture and application development.

His experience includes significant contributions in a number of industries including medical billing, insurance, architecture, staffing, finance, and senior care.

His current focus is on channeling vendor integrations, data federation, and open-source components through agile methodologies in a devops environment to integrate disparate systems into cohesive wholes.

In addition to designing and implementing solutions that result in more efficient business processes, he is also well versed in leading teams through the entire development lifecycle and provides both formal training and informal mentoring and coaching across the team members that he works with.

Mr. Edwards is a US Citizen and meets all requirements for performing work in the United States.

Key Technical Skill Sets

- Enterprise Integration (Database, Web Services, Data Virtualization, Legacy systems)
- Cloud (Eloqua, SAP/Callidus, Microsoft Dynamics, others)
- Agile and Scrum/Kanban
- Integration Platforms (Mulesoft, Message Queueing, Camunda)
- SDLC
 - Spring Boot and related packages
 - Git
 - Maven
 - Eclipse
 - Atlassian BitBucket/Bamboo/Jira
- Primary Languages / Protocols
 - Java / C++ / SQL / XML / JSON / Linux shell scripting
 - HTTP / SFTP / TLS / AJAX / SOAP / REST
- Database
 - Data modeling

- Relational Database (Oracle, SQL Server, MySQL, DB2, Postgres)
- Teiid Data Federation and Virtualization
- Hibernate
- Browser Technology
 - Angular / Bootstrap / JQuery / HTML / XML
 - XSL / CSS / REST / JavaScript / AJAX / JSON
- Application and Web Servers
 - IBM WebSphere / Apache Tomcat / Apache HTTPD / JBoss
 - Virtual hosting
 - Docker containers
- Legacy
 - CICS / COBOL
 - x86 Assembler

Employment Experience

- **Integration Specialist, Contractor** March 2018 – Present
 - Take on various short- and medium-term engagements under W2 or 1099 contracts
 - Design and implement integration solutions that connect enterprise domain silos
 - Research and recommend technology choices
 - Perform tasks both individually and across teams
 - Assist in continuous process improvement
- **Lead Java Developer**, MTI-Connect, February 2017 - October 2017
 - Plan and implement IT operations. Recruit and manage developers and contractors for both day-to-day and project-oriented work. Maintain existing processes and design new ones to accommodate business growth.
 - Identify opportunities for efficiency improvement.
 - Interact with clients and manage relationships. Design, quote, implement, and deliver solutions to client specifications.
- **Development Lead / Architect**, Brookdale Senior Living, March 2013 - December 2016
 - Hired as Data Services Architect, reporting to Director of Master Data Model, to implement data virtualization and integrate diverse RDBMS schemas into unified views at the enterprise level.
 - Lead development teams through design, build, and implementation of enterprise applications using agile methods
 - Specify, architect, and implement data federation across enterprise silos.
 - Design and implement third-party vendor integrations.
 - Design and build out complete web application infrastructure to support REST and SOAP web services, including load balancing, DMZ web layer, application server layer, and JDBC integration.
- **Technology Specialist**, ManpowerGroup NA, August 2002 - March 2013

- Hired as Senior Developer, reporting to Project Manager, to work with 2 Business Analysts and lead a diverse team of 12 developers and database analysts in creating the Customer Gateway, a portal for all North American clients. Project duration was 22 months

Technology stack included Java EE, JavaBeans, WebSphere, Apache HTTPD, MVC, MS SQL Server, Oracle, Informatica, JSP, Taglibs, LDAP

- Selected to act as liaison between my department and enterprise Change Management Board. Communicated changes planned by my group to the rest of the enterprise. Monitored upcoming changes planned by other departments and worked with them to reduce impact on critical processes. The ongoing collaboration reduced application outages considerably.
- Led 1 Business Analyst, 2 Associate Developers, and a Business Intelligence team to develop a Cognos-based report scheduling and distribution application. Project duration was 10 months.

In addition to the technology stack used for the Gateway project, the solution was implemented using Service-Oriented Architecture (SOA) and included Struts, jQuery, AJAX, SOAP RPC, WSDL, XML-based web services, Oracle stored procedures, and POI.

- Taught a Java programming class to a select group of Support Engineers and Associate Developers. Class met for 16 weekly two-hour lectures, accompanied by homework assignments and mid-term and final exams.
- Worked with the enterprise Database Analysts to plan and execute a major re-organization of the Operational Datastore and Data Warehouse. Project duration was 8 months.
- Implemented Subversion source code control and converted codebase from CVS, preserving all commit history.
- Led 3 developers and collaborated with Senior Business Analyst in creating an integrated National CRM tool.

Integration points included the Data Warehouse and distributed address book. Project duration was 13 months.

Technology stack consisted of WebSphere, Apache HTTPD, Java EE, Struts, MVC, Hibernate, Oracle, JSP, XML-based Web Services, AJAX, and jQuery.

- Formed and chaired monthly Technology Panel to collaborate with Senior Developers and formulate application and infrastructure best practices.
- Promoted to Technology Specialist, reporting to the Director of Digital Technology.
- Worked with Manager of Digital Marketing to redesign public-facing corporate web sites. Team included 3 consultants, 2 web designers, and 2 business analysts. Responsible for overseeing 4 developers. Project duration was 9 months.

Implementation included WebSphere, Java EE Servlets, Oracle, Tridion CMS and Broker, XML- and JSON- based web services, internationalization, Struts, MVC, AJAX, jQuery.

- Led a team of 8 developers in the migration of over 100 applications to a new server platform. Project duration was 3 months. Designed and built out new Java Enterprise system to improve application performance, security, and fault tolerance. Engaged server, database, security, and testing teams in the process. Tasks for each application included performing compatibility assessment, documenting each application's resource footprint, performing any necessary code changes, regression testing, and submitting each application for production deployment. Work was completed with minimal impact on business processes and allowed cost savings by enabling the retirement of obsolete application and database servers.
- Performed IT audit of ManpowerGroup Netherlands. Duration was 3 weeks.
- Designed and implemented automated registration process to integrate with third-party providers of on-line training. Project duration was 5 weeks.

Components included public-key authentication via SSL/HTTPS, Struts, MVC, jQuery, AJAX, JSP.

- Led 3 developers in creation of on-line survey engine to gather client feedback. Application scheduled the emailing of survey invitations and reminders, gathered survey responses, and performed ETL of results to the data warehouse. Business Intelligence delivery was performed by the afore-mentioned Cognos-based report distribution application. Project duration was 14 months.

Technology stack included Java EE, WebSphere, Oracle, Hibernate, Informatica, AJAX, jQuery, Struts, MVC, JavaScript Closure, XML, Quartz Scheduler, and email, .

- **Principal Architect**, AE Business Solutions, September 1998 - August 2002
 - Madison and Milwaukee, WI
 - Hired as Application Developer to work as primary developer on various client projects. Performed development, troubleshooting, and process improvement tasks for a variety of customers. Assisted sales teams during pre-sales client engagement to gather technical requirements and size projects. Maintained average 90% bill ratio.
 - Data recovery and application stabilization for a nation-wide equipment management service
 - Real-time, on-line auctioning system for a regional livestock co-op
 - Response to RFS for WI Department of Revenue Sales Tax filing system
 - Assisted with development of Bus Routing project for Milwaukee Public Schools
 - Integrated web applications with CICS
 - Promoted to Senior Developer. Began leading development teams of 1 to 3 developers.
 - Built HCM system for a staffing agency
 - Built CRM system for a regional electric power co-op

- Application trouble-shooting for a nation-wide Banking Services firm
- Promoted to Principal Architect. Continued leading development teams of 4 to 12 members, reporting to Sales Director.
 - Online quoting application for a nation-wide auto insurance firm
 - Online insurance application processing for a nation-wide home, auto, and life insurance firm
- **Network Administrator**, Eppstein Uhen Architects, November 1994 - June 1998
 - Hired as technical resource to support 25-node CAD network, reporting to Studio Coordinator.
 - Converted network to fast Ethernet and grew to 50 nodes
 - Implemented broadband Internet and trained users on email and web access
 - Upgraded HR and payroll system
 - Performed ongoing acquisition, deployment, and upgrades for IT equipment and software
 - Trouble-shot common and uncommon computer problems
 - Performed routine maintenance on workstations, printers, fax machines, and infrastructure
 - Promoted to Network Administrator, reporting to HR Principal.
 - Managed user security, system backups, and growth plans
 - Converted network from Novell Netware to Microsoft Server
 - Expanded phone system to accommodate enterprise growth
 - Upgraded storage servers, grew network to 100+ nodes
 - Created corporate web site
 - Implemented virtual faxing
 - Managed relationships with IT vendors
- **Applications Developer**, Software Banc, June 1989 - November 1994
 - Hired as application developer and help desk technician for medical billing software company, reporting to development lead.
 - Performed application maintenance and enhancements
 - Provided phone support for clients with hardware and software problems
 - Managed team of 3 field service technicians
 - Implemented paperless claims interchange with Medicare, Blue Cross, and several private health insurance providers

Soft Skills

- Leading application design and implementation teams
- Agile techniques using Scrum
- Training, mentoring, and coaching application developers
- Formal classroom-based training
- Excellent communication skills
- Co-founder and past President, Riverview chapter of Toastmasters International

Civic Activities

- 2012 - President, Manpower Riverview Toastmasters
- 2011 - VP of Public Relations, Manpower Riverview Toastmasters
- 2009 - Co-founder and Treasurer, Manpower Riverview Toastmasters
- 2008 - Reading Tutor, Cass Street School
- 2006 - Hands-On Desk demonstrator, Milwaukee Public Museum
- Ongoing - Volunteer Instructor, Milwaukee Community Sailing Center
- Ongoing - Volunteer, Reef Environmental Education Foundation

References will be provided upon request

“Joe has shown himself to be a person of rare character and extreme fortitude.”

- Clif F., Vice President of Operations

“I really can't thank you enough and you'll always be my number-one mentor no matter where I work in future.”

- Eva L., Associate Developer

“I am very thankful to have been mentored under you and appreciate all the skills you taught me. You are an asset in the IT world.”

- Xay Y., Web Developer

“To Joe, the man of many hats, thanks for taking on multiple projects and being there when we needed you.”

- James P., Director of Advanced Solutions