Joseph 'J.P.' Edwards
he / him / his

Applications Engineer, Solutions Architect, Development Lead

A highly qualified, full-stack developer ❖ results = skills * experience

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Strengths

Extensive experience: Over 20 years in IT encompassing a wide range of industries and projects including insurance, medical billing, architecture, staffing, finance, health care, and senior care.

Technical expertise: Strong skills in Java, database, data modeling, Agile methodologies, diverse technologies, and various frameworks and platforms.

Leadership and communication: Proven experience leading teams, mentoring developers, formal training, and communicating effectively with clients and stakeholders.

Entrepreneurial spirit: Co-founded and led Toastmasters chapter, demonstrating initiative and leadership.

U.S. Citizen: meets all requirements for performing work within the United States.

Technical Skill Sets

Languages: Polyglot - strong in Java, C++ and multiple SQL Flavors, conversant in Python, TypeScript, COBOL

Design: OOD, data modeling - Relational and Dimension/Fact, event driven, microservices, pub/sub and streaming, SOA, microservices

Frameworks: Spring boot [web / data / JPA etc], Hibernate, Angular, Struts

Platforms: Linux including bash/shell/services, Windows, Kubernetes, Docker, Openshift, Apache [HTTPD/Tomcat], Websphere

MIS: Cognos, Tridion

Containers and Orchestration: Red Hat OpenShift, Kubernetes, Docker, AWS, Terraform

SDLC: Eclipse/RAD, Agile/Scrum, Visual Studio, Jira, Maven, Ant, Git, Subversion, BitBucket, Bamboo, Jenkins, Junit, profiling

Team Environments: Agile, Scrum, Kanban, Daily standups, frequent code reviews

Database: Complex queries and stored procedures across MS SQL(T-SQL), Oracle (PL/SQL), MySQL, M

ongo, index analysis and tuning, SSMS, ER/Studio, Toad

Front End: Angular, Bootstrap, Jquery, HTML5, AJAX, JSON

Data Integration: Data transform/translation, MQ Series, Kafka Streams, Elastic, REST, JMS, RabbitMQ, Camel, SOAP, Informatica

Soft Skills

Agile techniques using Scrum
Mentoring and coaching application developers
Formal classroom-based training

Excellent communication skills
Co-founder and past President, Riverview chapter of Toastmasters International

Employment Experience

Application Engineer / Contractor, Thrivent, March 2018 – Present
> Design and develop cross-platform data integration solutions
> Interact with a variety of departments to coordinate requirements gathering and development releases

Design and build greenfield solutions
Create reusable code libraries
> Maintain existing processes and implement new ones
> Mentor less senior team members both formally and informally

Build over 30 applications using data gather / publish
Migrate approximately 40 applications from Docker to Openshift
Primary tools: Java, Eclipse, SQL Server, Linux, Openshift, Kubernetes, Docker, Git, BitBucket, Bamboo, Jira

Lead 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 promote business growth.
Identify opportunities for efficiency and improvement.
Interact with clients and manage relationships.
Design, quote, implement, and deliver solutions to client specifications.
Maintain multiple client websites providing PURLs and highly customized content
Support automated MMS, voice-based, and email notification systems
Primary tools: Java, HTML/CSS, Eclipse, Apache, Jira, Subversion, MySQL Server, Quartz scheduling

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
Specifiy, 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

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.

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.

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.

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.

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.

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.

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.

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 accomodate enterprise growth
Upgraded storage servers, grew network to 100+ nodes
Created corporate web site
Implemented virtual faxing
Managed relationships with hardware and software 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