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Summary

Over 20 years of software development and leadership experience implementing business solutions, with an emphasis on architecture, design, iterative development, integration and testing of multi-tier, multi-process object-oriented systems.

Technical Experience

Languages: Java (J2EE, J2SE, JSP, Servlets, EJB, JMS), Visual Basic, ASP, PL/SQL, C/C++

Application Servers: JBoss/Tomcat, WebSphere, Sun ONE, WebLogic

Databases: Oracle, DB2, MySQL, MS SQL Server, Sybase, Sybase IQ, Informix

Open Source Frameworks: Struts, JUnit, HttpUnit, Hibernate, iBATIS, XFire, Apache Axis, Spring, Velocity

Other: WSDL, XML, HTML, SQL, SQLJ, JDBC, ODBC, Ant, Castor

Professional History

2006 to Present

Wright Express Corporation

South Portland, Maine

Chief Applications Architect

As a Chief Applications Architect, I report directly to the Vice President of Applications Development. In this role, I am responsible for leading enterprise application architecture, helping to ensure alignment between application development groups, and determining high-level architecture for all strategic initiatives. I am also assigned to all highly critical projects where I determine the overall architecture, build the development team, specify the development processes, and then lead the development through the first production release. Major projects are listed below:

- *Service Oriented Architecture Initiative* – Developed the initial service oriented architecture (SOA) roadmap that is currently being implemented at Wright Express. Promoted the service oriented architecture to senior executives, business stakeholders, and other technical teams. Once all groups were brought on board, I then campaigned to get a 25% increase in the annual development budget for a 2.5 year period to support the development effort.
- *Reengineering of the Distributed Systems at Wright Express* – Performed an architectural review outlining inefficiencies in the distributed model at Wright Express. The review then outlined a development effort which will result in simplification and streamlining of systems, development processes, and testing processes within the company. I presented this to senior executives and other development teams gaining support necessary to initiate the project. I built the team, planned the initial architecture, and am currently leading the development team of 21 developers, beginning with development of a new external web product which utilizes a service oriented architecture (SOA).
- *Strategic Initiative Architectural Support* – Architected and estimated the effort associated with the two major strategic initiatives that Wright Express is undertaking for 2007.

2002 to Present

Wright Express Corporation

South Portland, Maine

Software Architect and Team Lead

Software Architect and Team Lead on the initiative to reengineer Wright Express' business processes. This was a high-energy, fast-paced environment that required the implementation of extreme programming practices such as daily stand-up meetings, test driven development and refactoring.

I was responsible for leadership of a team including seven onshore developers and eight offshore developers. I streamlined a marginal offshore development model and turned it into a highly effective team extension capable of meeting tight deliverable schedules, while still providing extremely high quality products. I continually received praise throughout the organization for my leadership skills and ability to deliver projects on time and on budget.

I was responsible for architecture, design, and development for many of the systems developed by the Java teams at Wright Express. I have also led the technical effort to maintain code reusability through sound object oriented principles and adherence to development standards. Major projects are listed below:

Professional History

Wright Express Corporation (Major Projects - Continued)

- *Transaction processing system* - This system was designed for batch processing of five million sales transactions per day (this requires 6400 database transactions per second). This is a J2SE application using Java and SQLJ against Oracle 10g. The application is both multi-threaded and multi-process. Some of my responsibilities included initial architecture and design, designing and coding business objects, integration with the authorization system and the Siebel CRM system, performance enhancements to the connection pool and data access layer, developing JUNIT tests, performance testing, and mentoring team members. The solution was delivered on time and to specification.
- *Distributor Model* - Lead architect and technical lead for development of software to support the distributor market for Wright Express. Involved in the planning, estimation, architecture, leading the design effort for the transactional and authorization systems, work packet distribution, code reviews, and leading a team of onshore and offshore developers. Project was completed on time and on budget.
- *Core Processing System* - This was a J2EE application using the Struts framework deployed to Tomcat 5.02 on Solaris. In this project, I architected the solution, developed J2EE coding standards, introduced the Struts framework and wrote initial code for developers to use as a model. Then, in addition to coding, acted as a mentor to other developers on the project. The solution was delivered on time and to specification. Design patterns used: Model View Controller, Session Façade, Value Object, Value List Handler.
- *Financial Feeds* - This system facilitated end of cycle processing of data needing to be fed to the accounts payable system (PeopleSoft), accounts receivable system (Lawson) and Oracle data warehouse. In this project, I worked closely with business analysts to gather requirements, architected and designed the components to be built, and then served as the technical lead for a group of three developers. The solution was delivered on time and to specification.

1999 to Present

Scintilla Consulting, LLC

Windham, Maine

Principal Consultant

- Responsible for architecture, design, development and implementation of a web-based scheduling system for Sugarloaf USA and Sunday River. J2EE Solution was written using the STRUTS, JUNIT, Spring, and Hibernate frameworks. Design patterns used: Model View Controller, Session Façade and Business Delegate. Solution is deployed on Tomcat and services approximately 220 users.
- Responsible for architecture, design, development and implementation of a web-based membership management system currently deployed at New England health clubs. J2EE solution was written using the STRUTS, Hibernate, and JUNIT frameworks. Solution is deployed on JBoss.
- Contract programming as a key member of a three-person web development team using Java Servlets, Java Script, Oracle PL/SQL, XML and HTML to develop a web based Decision Support System for an Oracle data warehouse used by Fairchild Semiconductor. Designed the system's core query building data structure and SQL generation engine.
- Contract programming as a key member of a two person team using Visual Basic 6.0, SQL and RDO to develop a client server Decision Support System for a Sybase IQ data warehouse used by Fairchild Semiconductor.
- Architecture, system design, and project management for the development of an e-commerce web application (www.therackshop.com), which went live on 06/15/2001. UML was used extensively as the communication tool with developers. Artifacts used: Use Case Diagrams, Activity Diagrams, Object Diagrams, Class Diagrams, and Sequence Diagrams.
- Responsible for marketing contract resources and managing up to six contract resources while they were providing programming services for businesses in Southern Maine.

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North Andover, Massachusetts

1998 - 1999 Newtech Software Solutions

Principal Consultant

Responsible for supervision of contract programming resources, developer training, and project management for software development teams.

- Responsible for directing marketing of vertical market software packages and sales demonstrations.
- Responsible for setting up technical support plan, policies, and support team.
- Responsible for overseeing vertical market software SDLC.
- Architected, designed, and developed 4 vertical market software applications.

1996 – 1998 UNUM

South Portland, Maine

Systems Consultant

- Lead developer for development of a Long Term Care administration system managing over 12 million dollars in premium annually.
- Major contributor in object-oriented design and development of the administration system using Visual Basic 4.0, ODBC, DB/2, SQL.
- Selected as part of a 2 person 'swat team' to take over the final steps on completing the entire Long Term Care administration system, working with client testers to streamline entire system operation.
- Project leader in re-engineering the Long Term Care batch process system. Reduced average call-ins from three times weekly to twice monthly.

1991 - 1996 Duncanson and Holt

Portland, Maine

Programmer/Analyst

- Designed and wrote an international rating system for Duncanson and Holt's reinsurance products.
- Designed and wrote a small group rating system using Borland C++.
- Maintained and enhanced a group rating system using Microsoft C.

1987 - 1991 Brainstorm Systems Development

Portland, Maine

Software Engineer/Principal

- Designed, developed, and implemented health club management systems using Visual Basic 3.0.
- Designed, developed, and implemented a Tanning Salon management system using Clarion.
- Worked as a consultant writing a disability rating system for a major disability insurer.
- Worked as a consultant creating engineering analysis models for a major shipbuilder.

1985 - 1987 Maxaxam Corporation

South Portland, Maine

Design Engineer

- Designed patented gearing systems using CV CADDStations.
- Wrote engineering analysis software using Fortran 77 and Basic.

Education

Alfred State University, Alfred, NY

Engineering Computing Graphics Degree 1985 (3.14 cumulative average in field of study)

Architecting and Designing J2EE Applications (SUN, SL-425)

Developing J2EE Compliant Applications (SUN, FJ-310)

Java Programming Language (SUN, SL-275)

Object Oriented Programming and Analysis with UML – IBM Onsite at Wright Express