

SOLUTION ARCHITECT AND SOFTWARE DEVELOPER

SUMMARY OF QUALIFICATIONS

- An innovative and energetic contributor with 10 years of experience, complemented by a Masters degree in Computer Science and professional certifications including IBM Accredited IT Architect
- Skilled in solution and integration architecture, full software life-cycle management, and software development methodologies and technologies

WORK EXPERIENCE

TROUX TECHNOLOGIES • Austin, Texas • 07/2007 – Present

Senior Software Developer

- As a senior member of the agile development team, I design and deliver functionality for our core product line which focuses on enterprise architecture and strategic business transformation.
- *Technologies:* Java, JSP, Servlets, XML, Struts, Spring, JDBC, JMS, Ant, JUnit, Tomcat, Oracle, MS SQL Server, Eclipse, Agile Development

IBM GLOBAL SOLUTION CENTER • Dallas, Texas • 06/2005 – 06/2007

Integration Architect & Developer, Flight Information Management System

- Worked with the customer to define requirements. Designed and implemented a web application for managing flight information in an airport operations database.
- *Technologies:* WebSphere Application Server, Rational Application Developer, Java, J2EE, Oracle, Spring, Hibernate

Integration Architect & Developer, Security Command and Control Solution

- Worked with the customer to define requirements. Designed and implemented the integration of various security and surveillance components into a unified solution.
- *Technologies:* WebSphere Portal Server, IBM Smart Surveillance System (S3), Rational Application Developer, Java, J2EE, DB2, Web Services, Ant

Integration Architect & Developer, Product Lifecycle Management for Electronics Solution

- Worked with the customer to define requirements. Led the solution design and implementation to integrate hardware product lifecycle management, software change control, and portfolio management systems.
- *Technologies:* WebSphere Process Server, WebSphere Portal Server, Rational Portfolio Manager, WebSphere Integration Developer, ClearQuest, Agile, Business Process Engineering (BPEL), Service Oriented Architecture (SOA), Java, J2EE, DB2, Web Services

Integration Architect & Developer, on demand vision for Social Program Delivery Solution

- *Risk Management Scenario:* Worked with the customer to define requirements. Led the design and implementation, integrating entity analytics into the existing solution framework.
- *Disability Scenario:* Designed and implemented integrated case management functionality.
- *Back to Work Scenario:* Upgraded integrated case management system, translated user interface into French.
- *Technologies:* IBM Identity & Relationship Resolution (Entity Analytics), WebSphere Application Server, WebSphere Business Integrator, WebSphere Portal Server, Curam, WebSphere Studio Application Developer, Java, J2EE, DB2, XML, Web Services, Struts, Ant

Integration Architect & Developer, Integrated Border Management Solution

- *Intelligent ID Scenario:* Worked with the customer to define requirements. Designed and implemented the integration of entity analytics into the existing solution framework.
- *Cargo & Passenger Scenario:* Designed and implemented business processes for integrating passenger and cargo border management operations.
- *Infrastructure Solution:* Modified the existing solution for deployment as a Risk Management infrastructure solution building block.
- *Technologies:* IBM Identity & Relationship Reslution (Entity Analytics), WebSphere Application Server Foundation, WebSphere Studio Integration Edition, WebSphere Portal Server, iLog JRules Business Rules Engine, Business Process Engineering (BPEL), Java, J2EE, DB2, XML, Web Services, Ant

Technical Member, Exploring Software Usage Patterns BizTech Project

- Designed and implemented data mining processes to generate software usage patterns.
- *Technologies:* IBM Intelligent Miner, Rational Portfolio Manager, Eclipse, Java, DB2, Ant

Awards & Recognition

- 2006 IBM GSC Innovator Award
- 2006 IBM Invention Achievement Award
- 2006 IBM Ovation Award
- 2005 IBM GSC Rookie of the Year

TEXAS A&M UNIVERSITY DIVISION OF FINANCE ▪ College Station, Texas ▪ 12/2001 – 05/2005

Lead Architect and Software Developer

- Designed & implemented online statement and electronic payment web application (AggieBucks Tracker) for debit card system, processing over 2,500 transactions for over \$500,000 in the first 4 months
- Designed & implemented electronic payment reconciliation web application (Aggie Epay), processing over 300,000 transactions for over \$190 million within the first 2 years
- Designed & implemented loan application processing web application (Short Term Loans Online), processing over 13,000 loan applications for over \$16 million within the first 2 years
- Designed & implemented online training and event registration application (WebTEA), with over 3,000 user profiles created within the first 12 months
- Designed & implemented online course fee revision application, serving all 16 academic colleges and 86 departments, processing over 7,000 fees each semester
- Led the design and implementation of an online project management and tracking application (Project Tracker) for use by all Division of Finance employees.
- *Technologies:* Java, JSP, Servlets, XML, Struts, UML, Object-Relational Bridge (OBJ), JDBC, Ant, JUnit, Tomcat, Oracle, MS SQL Server, Poseidon, Eclipse

INDEPENDENT SOFTWARE DEVELOPMENT CONSULTANT ▪ College Station, Texas ▪ 2002

- Designed and implemented e-commerce web site. (<http://www.velvetribbonbaskets.com/>)
- *Technologies:* Java, JSP, Servlets, XML, JDBC, Struts, OBJ, Ant, Tomcat, MySql

TRILOGY ▪ Austin, Texas ▪ 06/2000 – 07/2001

- Designed & implemented e-commerce solution for Fortune 500 company, Alltel, processing over \$750,000 in transactions within the first 6 months and recognized among top 5 most successful projects out of over 100 based on customer success.
- Modeled configuration of high-end servers and storage products for multi-million dollar Compaq project using CML and object oriented analysis and design.
- Integrated e-commerce solution with back-end ERP system, synchronizing customer management, order fulfillment, and product pricing and availability.
- *Technologies:* Java, J2EE, XML, JDBC, Oracle, JRun, Apache, Optimizelt, MCC, CML

HERNANDEZ ENGINEERING, INC ▪ Clear Lake, Texas ▪ 11/1999 – 05/2000

- Supported the NASA Space Flight Operations Contract by providing programming expertise.

PAPERLESS MED, INC ▪ College Station, Texas ▪ 1994 – 1996

- Designed and implemented electronic medical record system.

EDUCATION

Master of Computer Science ▪ Texas A&M University ▪ College Station, TX ▪ 2003 - 2005 ▪ GPA 3.9

PhD Candidate ▪ University of Texas Medical Branch ▪ Galveston, TX ▪ 1996 - 1999 ▪ GPA 3.7

Bachelor of Science ▪ Texas A&M University ▪ College Station, TX ▪ 1990 - 1994 ▪ GPA 3.0

PROFESSIONAL CERTIFICATIONS

IBM Accredited IT Architect
IBM Certified SOA Solution Designer
Sun Certified Java Programmer

Brainbench Certified Internet Professional – Client-Side & Server-Side Web Developer (Java, JSP, Javascript, Project Management)