

James Zhan

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Summary of Qualifications

- TIBCO CERTIFIED PROFESSIONAL (TCP) for TIBCO Active Matrix Business Works 5 (registered TCP ID: sr8988916)
- TIBCO CERTIFIED PROFESSIONAL (TCP) for TIBCO Enterprise Message Service 7 (registered TCP ID: sr8988916)
- Two Master of Science degrees in Computer Science and Chemical Engineering.
- 17 years of software development experience in consulting, federal government, finance, e-commerce and manufacturing industry.
- 15 years hands-on experiences of Enterprise Service Bus (ESB), Service-Oriented Architecture (SOA), Enterprise Application Integrations (EAI) and Business Process Management (BPM) using TIBCO Active Matrix Business Works 5.11, 6.3.1, 6.3.2, and 6.3.3, TIBCO Designer 5.8 - 5.10, TIBCO Administrator 5.7, TIBCO Hawk 4.9, TIBCO EMS 7.0, TIBCO Rendezvous 8.4, TIBCO Business Event 5.1, TIBCO Business Studio 4.0, TIBCO MDM, PeopleSoft Adapters, File adapters, Database Adapters, ADB 6.x (Oracle) Adapter, IBM Mainframe Adapters, TIBCO Adaptor SDK and GEMS for real-time data integration, system reliability, stability and scalability.
- SDLC/Agile full life cycle of project development including analyzing, functional design, technical design, coding, testing, debugging, installation, documentation, and deployment into Development, Testing, Staging and Production environments for fault tolerance and load balance configurations through Serena, Jenkins, Subversion, PVCS, Remedy, Kintana Mercury ITG (Information Technology Governance) and HP PPM (Project Portfolio Management), IBM Rational Software Architect for WebSphere and Weblogic for ClearCase and ClearQuest
- Numerous programming skills and working experience in installation, configuration, development, deployment and operation TIBCO COTS software for federal government's DHS and fortunate 500 organizations.
- Proficient skills in Core Java and J2EE technologies like EJB, JMS, JSP, Java Methods, Java Codes, XML, XSD, XSLT, XPATH, WSDL, JNDI, JDBC, MQ, Tomcat, JUnit in Eclipse IDE platform, Web Service and SOAP over JMS/http, Data Power, SOAP UI, REST/JSON.
- Hands on programming experience with C, C++, .NET, UNIX, LINUX shell programming, Windows XP, TCP/IP, FTP, HTTP, HTTPS, SSL with Strong Encryption, Window NT server 4.0, MS IIS Server, SMTP exchange Server, POP3 Server, MS Proxy Server 2.0, Oracle Application Object Library AOL, Oracle Alerts, Oracle System Administration and Oracle Application Open Interfaces, Oracle Workflow, Oracle i-Payment Server 3.0, Stronghold Apache Web Server, ATG Dynamo Application Server

4.0, Web trends Report Server, Client-Server computing, Socket and RPC and 3-Tier Architecture, winSCP and putty, LDAP Active Directory.

- MS SQL Server, Oracle database programming skills including PL/SQL Packages, Procedures and Functions, Oracle Reports 6i and Forms 6i, Oracle Workflow, XML publisher, TOAD, Oracle SQL Developer, SQL Navigator, SQL plus, Oracle Triggers, View, Sequence, Index, Oracle Discover 2000 and Oracle Enterprise Manager 1.6 to 2.0

Professional Experience

IBM, New Orleans LA

Entergy PeopleSoft Financial/HCM Integration Project

Solution Architect / TIBCO Consultant

Apr. 2016 - Present

- Integration PeopleSoft HCM integration broker with TIBCO PeopleSoft Adapter, TIBCO BusinessWork 6.3.3, and TIBCO Enterprise Message Service 8.
- Setting up and configuring TIBCO working environment including TIBCO Rendezvous, tra, Hawk, EMS, Businessworks 5.10 and BW 6.3.1, 6.3.2, and 6.3.3, Database Adapters, File Adapters. TIBCO Enterprise Administrator 2.3.
- Development Proof of Concept to integrate TIBCO BusinessWorks, EMS, TEA with PeopleSoft Financial/HCM, Oracle Database, and other external legacy applications.
- Created proof of concept for TIBCO Managed File Transfer Internet Server 8.0, TIBCO FTL 5.0, TIBCO Policy Director – 2, TIBCO Business Events 5.3, TIBCO Enterprise Messaging Events for integrating PeopleSoft HCM and PeopleSoft Financial.
- Exposure PeopleSoft Integration Broker Web Services through TIBCO BusinessWorks.

Covance, Princeton NJ

Covance Mdrive/MDM Project

Solution Architect / TIBCO Consultant

June 2015- Feb. 2016

- Developing Business Work Processes to integrate existing system such as Genesis, Trail Tracker, Distribution Code, Clinical Trial Management System with EDS (Enterprise Distribution System Database), and TIBCO MDM through File, JDBC, and Web Service.
- Performing unit test, assemble test, performance test, end to end test and user acceptance test for integration system.
- Creating enterprise archive and deploy through XML cannon into DEV, TEST and UAT environments.
- Analyzing and reviewing integration requirements such as load balancing and fault tolerance

- Identification/fixing for the problems within existing systems design/implementation of new systems, enhances the existing systems and participates in analysis, design and new construction of next generation IT systems
- Developing detailed design specifications based on standards and guidelines
- Developing code to specifications, based on standard development and Agile/XP/Lean development methodologies and documentation standards
- Conducting module and basic integration levels of testing according to process standards for unit test, assembly test, end to end integration test
- Packaging code for testing and production deployment using TIBCO Appmanage, Ant build, Jenkins, Subversion, Build Forge and IBM Rational Software Architect for WebSphere and Weblogic for ClearCase and ClearQuest
- Mentoring and instructing other Developers, Business Analysts and Testers on the team
- Conduct database performance tuning, analyze queries, and table structures for efficiency
- Develop or augment database tables and architecture
- Test ESB service over backbone to include security and encapsulation of the packages
- Tracking and resolving moderate to complex defects

US Department of Homeland Security, Washington DC

Subject Matter Expert / IBM Contractor / ELIS1 Agile Project

TIBCO Consultant / Principal Information Engineer / SAIC Contractor / ESB BEST I project

December 2010-June 2015

Project: Business and Enterprise Services Technologies (BEST)

Performed the following functional and technical role for BEST project

System Engineering and Design for CPMS SS Release 1.4 to 1.9.0.0

Architect, Build Services and Business Process for CPMS SS Release 1.4 to 1.9.0.0

Test and Evaluation for CPMS SS Release 1.4 to 1.9.0.0

Requirement Analysis for CPMS SS Release 1.4 to 1.9.0.0

Change, Configuration and Release Management for CPMS SS Release 1.4 to 1.9.0.0

Support to USCIS IT Operation for CPMS SS Release 1.4 to 1.9.0.0

Core member of 1st team to use Jenkins to automatic build (160+), test(260+), deploy(130+) into ESB2 production for BEST project

- Working as a core team member in a multiple year complex project to modernization of DHS information platform with TIBCO COTS software through ESB to integrate numerous federal agencies' systems including mainframes, databases, email servers, web servers and application systems.
- Provides technical/management leadership on major tasks or technology assignments
- Provide technical and management analysis, design, and support for information technology systems and software engineering, including architectures, data management strategies, requirements analysis, alternatives analysis, and development and implementation of strategies.
- Examples of such work include support for emerging technologies, commercial-off-the-shelf software deployment, development of system performance measures and

operational capability demonstrations, management recommendations, systems architecture, and mitigation

- System Design & Develop Database, ESB Services architecture, and system infrastructure, Conduct Critical Database and ESB service reviews. Identify, Review and provide input to the Team's Risk Register
- Participate in Agile Planning Reviews, Demos, Retrospectives, Release Planning Reviews, and Daily meetings
- Creating accurate test plans, conditions and data
- Design of chosen path, including software configuration, and software interfaces
- Developing detailed project or system change estimates or project plans
- Planning and conducting timely structured code reviews to ensure standard and systems interoperability
- Identify models to describe relationships between actual/operational practices and performance and those recommended, and tools for modeling and validating operational procedures
- Conduct simulation studies to identify the value for current systems of new or improved procedures
- Developing models or simulation programs for early assessment of software system performance

Humanscale Corporation

Senior Developer

February 2008 – July 2010

- Designs and develops TIBCO programs between Oracle Financial 11i and Mainframe System for GL, AP, Sales with TIBCO Designer, TIBCO EMS, TIBCO ADB adapters, TIBCO File adapters and TIBCO BusinessWork5.3 and TIBCO Administrator.
- Designs and develops executable and concurrent programs with Oracle Reports 6i and Oracle Forms 6i and integrating them with Oracle Financial Applications modules such as GL, AP, AR, OM, INV, PO.
- Designs custom database objects such as Tables, Views, Indexes and Sequences for Oracle Financial Applications Release 11i.
- Customizes and extends Application Programs in Oracle Financial 11i including forms and reports modification, value sets creation, flex field implementation, and concurrent programs.
- Developed Oracle Alerts and automatic responding Emails to welcome new online registered customers, to notify customers that a new order has been accepted, to inform customers that a shipping order has been sent out, and to notify customers that a refund has been processed and credited back to customer s account and internal Emails to notify operation personals of the above events.
- Wrote Oracle triggers to automatically upload Oracle inventory items to Oracle database.

The McGraw-Hill Companies

Senior Oracle/TIBCO Developer
July 2001 - February 2008

Responsible for programming and technical and functional support for Oracle Order –To-Cash processes including Order Entry, Demand Interface, Pick Release, Ship Confirm, Receivable Interface for OE, Auto Invoices, Auto Receipts, Auto Commitments and Settlements, GL Interface, Import into GL, Journal Post for GL, creating inventory items, costing, standard pricing lists, on-hand quantities, internal inventory transactions for INV, Custom program to process Return from Account Receivable to iPayment. Involved in full life cycle of project development, technical and functional support for Oracle Applications 11i including analyzing, functional design, technical design, coding, testing, debugging, installation, documentation and migrating into development, testing and production environments through PVCS, Kintana, Mercury Information Technology Governance and HP Project Portfolio Management

- Also works on TIBCO Applications including Integration Manager, File adapters, ADB Adapter and Business Work development.
- Designs and develops executable and concurrent programs with Oracle Reports 6i and Oracle Forms 6i and integrating them with Oracle Financial Applications modules such as GL, AP, AR, OM, INV, PO, CM and FA.
- Develops custom interface programs such as packages, procedures and functions with PL/SQL for inbound and outbound interfaces through Oracle APIs between Oracle Financial Applications 11i(OM, GL,AP and AR), TIBCO Applications and Royalty Systems.
- Designs custom database objects such as Tables, Views, Indexes and Sequences for Oracle Financial Applications Release 11i.
- Customizes and extends Application Programs in Oracle Financial 11i including forms and reports modification, value sets creation, flex field implementation, and concurrent programs.
- Designs value sets and values for parameters of concurrent programs.
- Registers Oracle Forms, Functions, Menus and Responsibilities into Financial Applications and assigning them to different Oracle users.
- Designs and implements descriptive Flexfields for Oracle Financial Applications Release 11i for GL, PO, AP modules.
- Designs and develops TIBCO interfaces between Oracle Financial 11i and the Royalty System for GL, AP, Sales, Royalty Expense to Global Data Warehouse, Revenue Recognition to Global Data warehouse with TIBCO Integration Manager, TIBCO EMS, TIBCO ADB adapters, TIBCO File adapters and TIBCO BusinessWork5.3.

WallStreetRarities.com

Senior Developer Analyst / Oracle Consultant
February 2000 – July 2001

- Installed Oracle Enterprise Manager 2.0, configuring and managing Oracle Enterprise Manager 2.0 including Oracle Application Manager, Oracle Concurrent Manager, Oracle Capacity Manager, Oracle Performance Manager, and integrating them with Oracle 8i database, Oracle Application Server 4.0 and Oracle Applications 11 AP, AR, GL, INV and OE
- Responsible for system administration and setup custom responsibility, custom menus to ensure the security for WSR Oracle Applications
- Set up user accounts and responsible for all users in WallStreetRarities.com for production, testing and development environment
- Involved in the development, technical and functional support for Wall Street Rarities Business-to-Customers on-line trading systems including designing, coding, testing, debugging and implementing custom programs with Oracle Financial Applications Release 11.0.3
- Developed concurrent programs with Oracle Developer 2000 1.6 including Reports 2.5 and Forms 4.5 and integrating them with Oracle Applications GL, AP, AR, OE and INV.
- Developed custom interface programs such as package, procedures and functions with SQL plus, PL/SQL for inbound and outbound processes between Oracle Financial Applications Release 11 and custom development Web Store.
- Involved in the implementation of Oracle i-Payment Server 3.0 on Oracle Application Server 4.0, CyberCash Merchant Connection Kit and integration with Oracle Financials such as AR and OE

Siemens Companies

Senior Programmer Analyst

February 1999 – February 2000

- Involved in all phases of development projects including designing, coding, testing, debugging and implementing custom programs with Oracle Financial Applications.
- Developed concurrent programs with Oracle Developer 2000 1.6 including Reports 2.5 and Forms 4.5 and integrating them with Oracle modules such as GL, PO, AP and CM
- Designed custom database objects such as Tables, Views, Indexes and Sequences for Oracle Financial Applications Release 11
- Developed custom interface programs such as packages, procedures and functions with SQL plus, PL/SQL for inbound and outbound processes between Oracle Financial Applications Release 11 and IBM BPCS in UNIX working environment.
- Customized and extended Application Programs in Oracle Financial Release 11 including forms and reports modification, value sets creation, flex field implementation, and concurrent programs.

Education

M.S., Computer Science, New Jersey Institute of Technology 1998-1999

M.S., Chemical Engineering, Louisiana Tech University 1992-1996
B.S, Applied Chemistry, Peking University, China 1984-1988

Certifications

- TIBCO CERTIFIED PROFESSIONAL for TIBCO ActiveMatrix BuisnessWorks 5 (TIBCO Certified Professional ID: sr8988916)
- TIBCO CERTIFIED PROFESSIONAL for TIBCO Enterprise Message Service 7 (TIBCO Certified Professional ID: sr8988916)
- Certificate of Completion for BW611 TIBCO BusinessWork5.3 Integration Boot Camp
- Certificate of Completion for BW621 TIBCO Enterprise Architecture and Integration Boot Camp
- Certificate of Extend Oracle Applications Release 11i
- Certificate of Oracle Applications System Administration Release 11i
- Certificate of Define Flexfields Release 11i
- Certificate of ATG Dynamo Application Server 4.0, ATG Dynamo Personalization Server 4.0
- Certificate of Computer Security Awareness of U.S. Department of State
- Complete of Kanban training

Technical Skills Summary

Programming	TIBCO ActiveMatrix BusinessWorks 5.11, TIBCO Enterprise Message Service 7, TIBCO Designer 5.8, TIBCO Administrator 5.7, TIBCO RENDEZVOUS 8.4, TIBCO Runtime Agent 5.8, TIBCO HAWK 4.7, TIBCO Depository 4.1, TIBCO Adapters (File5.2, ADB5.5 and Oracle5.3), TIBCO Adapter SDK, TIBCO Integration Manager 4.1, GEMS, ECLIPSE, JENKINS, Subversion, Scram, Oracle Forms 6i, Oracle Reports 6i, TOAD, PL/SQL, SQL plus, SQL Loader, Oracle Developer 2000, Oracle Enterprise Manager 2.0, Oracle i-Payment Server 4.0, And, C++/Turbo C++, HTML, UNIX programming, Oracle JDeveloper, JAVA JDK2.0, JAVA Servlets, JAVA JHTML, ATG Dynamo Application Server 4.0, Window NT server 4.0, MS Proxy Server 2.0, Stronghold Apache Web Server, Web Trends Report Server, HTTP Server with Apache Tomcat, Apache Ant
Operating Systems	UNIX IBM AIX, SunOS, SVR4, 4.4BSD, Sun Solaris, HP UNIX, Windows, MSDOS
Databases	Oracle, SQL, PL/SQL, MS Access

Networking	TCP/IP protocols, FTP, HTTP, SSL with Strong Encryption, client-server computing, Socket, Remote Procedure Call, 3-Tier Architecture
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Security Clearance

Active DHS Secret Clearance (2010)

DHS USCIS Entry on Duty (EOD)

Currently holds DHS Public trust clearance of class 6