**Professional Summary:**

* Integration and Application Architect/Developer with possessing the technical, communication and mentorship skills required to work in Enterprise Application Integration development teams.
* Has over 12 years experience working on SOA, EAI, BPM, Application/Web project delivery teams.
* Has worked at Technology Service firms (*including TIBCO Corp - Professional Services Group*).
* Conducts Tibco BW/Java, & EMS training/knowledge-sharing sessions for colleagues & clients.
* Education: Bachelor of Science. Computer Science (B.Sc.)

**Certifications/Training:**

* TIBCO Certified Professional*: (TIBCO Business Works 5, TIBCO Enterprise Message Service 4)*
* Java Certified Professional*: (Sun Certified Programmer for Java SE 6)*
* Microsoft Certified Professional*: (Application Developer and Database Administrator)*
* TIBCO BusinessEvents & Managed File Transfer 7.x Developer (*TIBCO Educational Services*)

**TIBCO Product Expertise:**

* *TIBCO SOA:* ActiveMatrix BusinessWorks 5, Administrator 5, Service Bus/Service Grid 3.
* *TIBCO EAI / BO:* Enterprise Message Service 4-7, Rendezvous 8, Hawk 4, Managed File Transfer 7, Adapters (SAP R/3, File, ActiveDatabase), SmartMapper 5, ActiveSpaces 2, BusinessEvents 3-5, BusinessConnect 3-6, CLE Framework.

**Technology Skills include (see work experience for details):**

* *Development*
  + Application/Middleware: Java (J2SE & J2EE), .NET C#, SQL
  + XML: DTD, Schema, XSLT, XPATH, XQUERY
  + Web-Services: WSDL, SOAP Attachments+Extensions (WS-Security/Policy, etc)
  + Web: HTTP/S, HTML, CSS, JavaScript, AJAX, REST, JQUERY
  + Tools: SoapUI, TortoiseSVN
* *Architecture*
  + Methodologies: Waterfall, Agile, SCRUM, RUP
  + Modeling: Unified Modeling Language (UML), Object Relational Model, Data Flow Diagrams
  + Patterns: Object-Oriented and Procedural Programming, Integration and Application Patterns

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| **Work Experience with TIBCO PSG [May 2012 - Present]** |

**Oct 2013 – Present | Tibco Technology SME / Integration Developer | Abbott Labs - Waukegan IL**

**Role:** Develop System design specifications, lead development of Integration interfaces, support testing

* Review interface requirements (FDS documents), develop interface mappings and designs (SDD documents).
* Develop TIBCO BW interface templates and test cases, then supervise implementation by off-shore developers.
* Review interface build artifacts and documentation updates. Support integration and QA testing.

**Environment:** Tibco BW 5.11, EMS 6, RV 8.3, Admin 5.8, CLE, SAP R/3 adapters, Oracle 11g, SAP ERP suite.

**May 2013 – Sept 2013 | Integration Architect | Kohls – Menomonee Falls, WI**

**Role:** Architect & lead implementation of a subset of Product MDM Integration (Mainframe to Tibco CIM)

* Worked with client technical SMEs to develop detailed functional and non-functional requirements.
* Architected integration of 3 legacy systems (Mainframes) to MDM system (TIBCO CIM) with ActiveSpaces.
* Led implementation team of on-and-offshore developers during development and testing (using TIBCO BW).

**Environment:** Tibco BW 5.11, ActiveSpaces 2.1, EMS 6, Admin 5.8, CLE, Oracle 11g, IBM Mainframe, SVN.

**Jan 2013 – Apr 2013 | Tibco Technology SME / Solutions Architect | Unity Health - Sauk City WI**

**Role:** Build application to implement CAQH Health Care Claim Payment/Advice Rule (for "ObamaCare" compliance)

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* Defined detailed requirements from client interaction and healthcare data exchange reference documents.
* Defined and setup the Tibco development and production environments (on Windows 2008 virtual host).
* Developed a flexible & extensible B2B application (Tibco BW) that implements CAQH CORE Phase II & III rules (requires HTTP, REST, SOAP+Attachments, WS-Security, WS-Policy, setup TLS/SSL secure certificates etc).
* Application extensively tested against SoapUI and certified against EDIFECS test suite.
* Conducted Tibco BW development training & application support knowledge transfer training sessions for client.

**Environment:** Tibco BW 5.11, EMS 6, RV 8.3, Admin 5.8, MS Windows Server 2008, Java 1.6, SoapUI

**Nov 2012 – Dec 2012 | Integration Developer | Allstate Insurance - Northbrook, IL**

**Role:** Design, Develop, Test proof-of-concept for Multi-Policy-Discount project. Integrated in-house frameworks.

* Developed requirements (functional and non-functional) from interaction with client and project team members.
* Designed and implemented 4-component integration solution (integrating mainframe via flat file, policy system-of-record via web service, policy renewal rules engine via web service, integration components via JMS messaging).
* Boosted solution's performance (re-factored design, multi-threaded relevant, diagnosed/upgraded database driver).
* Documented solution and test results (provided metrics whole/component, numerically and graphically)

**Environment:** Tibco BW 5.9, EMS 6, RV 8.3, Admin 5.7, Oracle 11g, IBM AS/400, FICO Blaze Advisor BRMS

**Jun 2012 – Nov 2012 | Tibco Technology SME / Integration Developer | Kohls – Menomonee Falls, WI**

**Role:** Develop new Integration process for Product data propagation; Remediate existing integration processes

* *Project: Holiday Prep*:
  + Developed detailed mapping & design specs for new processes to propagate product item attributes across Electronic Fulfillment Centers (to avoid redundant data entry & improve data consistency).
  + Implemented & deployed new Tibco BW processes (above) and supported change requests on same..
* *Project: Omni-Channel Fulfillment*:
  + Analyzed existing Tibco BW processes; identified defects, documented opportunities for improvements.
  + Implemented recommendations; closed defects, re-factored code for increased robustness and availability.

**Environment:** Tibco BW 5.9, EMS 6, RV 8.3, Admin 5.7, Oracle 11g, Java 1.6, IBM Mainframe/COBOL Apps, SVN.

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| **Work Experience with Ajilon Consulting (now Modis) [June 2005 - Dec 2011]** |

**Nov 2009 – June 2012 | Solutions Architect | Client – Exelon Corp (PowerTeam) – Kennett Square, PA**

**Role:** Assess, identify risks and recommend remediation for existing processes. Architect new framework and SDLC.

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* *Critical Data Interfaces Assessment and Remediation*
  + Defining, documenting procedures & artifacts for evaluation, risk assessment, remediation of integration processes supporting Power Team's generation, pricing forecasting and trading operations.
  + Researching, documenting over 300 interfaces, presented to Domain Architecture Group for review.
* *Operation Data Services - Software Development Lifecycle* 
  + Re-defining the Power Team’s application and data integration development lifecycle
  + Developing best practices & standards to support lifecycle including documentation, diagramming, naming.
  + Developing an integration framework, framework services and process templates to streamline development.
* *Integration Repository Application*
  + Architect and lead developer of application to capture/manage lifecycle artifacts for PowerTeam's integration processes (a multi-tier web application - ASP.NET/C#/AJAX/JQuery, also graphically renders flow diagrams).

**Environment:** Tibco BW 5.4, Integration Manager, EMS 4.4, RV 7.5, Admin 5.5, Hawk 4.8, Sun Java 1.6, Oracle 9i/10g, Microsoft .NET framework 3.5, Windows Server 2005, SQL Server (2000-5, SSIS, DTS), Embarcadero ER Studio Data Architect, Sparx Enterprise Architect 9.2, Jetbrains Webstorms 3.0, Informatica PowerCenter 8.6

**Jul 2009 – Nov 2009 | Tibco & Java Architect | Admin. Office of Courts – San Francisco, CA**

**Role:** Architect, develop code for integrating California Restraining/Protective Order System to Department of Justice

* Architected persistence of high-complexity hierarchical XML data structures into relational database (Oracle 10g).
* Develop custom XPATH and XSLT to flatten and transform XML data updates to CLETS commands.
* Develop secure Tibco BW processes to integrate CCPOR system GUI with database & DOJ via CLETS gateway.
* Reduced number of database calls required to persist CCPOR records by factor of 12 using Oracle Objects API; developed Oracle stored procedures, structs, objects and custom java classes required to implement solution.
* Working with Admin. Office of Courts and CLETS technical staff to support integration testing.

Environment: California Court Protective Order Registry (CCPOR), California Restraining and Protective Order System (CARPOS), California Law Enforcement Telecommunication System (CLETS), Department of Justice Records API, Oracle SOA Suite / WebLogic, Tibco BW 5.6, EMS (JMS) 5.0, Oracle 10g, Windows Server 2005.

**Mar 2009 – Jul 2009 | Java & Tibco Architect | GE Treasury – Stamford, CT**

**Role:** Develop and maintain repositories for standards, Architect & develop new applications/integration.

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* *Treasury ESB Monitoring Dashboard – 3 Tier Application SOA Development, Testing and Deployment*
  + Java – Built set of Java classes to retrieve statistics on JMS queues, topics, servers via Tibco EMS Java API.
  + Tibco BW – Built set of web services (SOAP) to wrap Java classes & provide error handling/logging support.
  + Tibco GI/AJAX - Built multi-page web GUI to auto-invoke above web services, display data via text & charts.
* *Wall Street Systems (ICL and DDS applications) – Java Performance Tuning* 
  + Profiled large-scale J2EE web app (14GB JVM) using Oracle AD4J, VisualVM and JVM generated reports.
  + Reduce app memory footprint and JVM garbage collection performance impact via alternative JVM configs.
  + Worked with vendor to execute series of tests to performance tune application using above configurations.
* *Others Projects – Service Registry, Schema Repository, ESB L3 Support/Technology SME, State Modelling*
  + SOA Web Service Registry - Performed research and POC for HP Systinet (SOAP/WSDL repository)
  + Schema repository – Maintained and administered schema repository using IgniteXML + Oracle DB.
  + Developed Common Data Model for geographical data conforming to standards (ISO 3166 and FIPS).
  + Provided L3 support for new application deployments, performed code reviews for developer team.
  + Research improvements and fixed bugs in Java code for OracleAQ to Tibco EMS messaging bridge.

**Environment:** Sun OneJava App Server, Web Sphere, Oracle AD4J, VisualVM, HpSystinet, XmlSpy 2009 Pro, IgniteXML 5, Tibco General Interface, BusinessWorks 5.4, EMS 4.4, Admin 5.5, Hawk 4.8, Oracle 10g, Solaris 10

**Apr 2008 – Feb 2009 | Integration Developer | Sisters of Mercy-Genesis – St. Louis, MO**

**Role:** Lead; Architect and Develop new Integration, replace legacy interfaces with Tibco implementations.

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* *HL7 Messaging Framework, Transformation (SOA Infrastructure)*
  + Upgraded framework upgrade to support HL7 message pass-through (by-passing transformation to CIM).
  + Researched solution to eliminate developer hand-coding of Source-CIM-Target transformations.
  + Researched web-based utility to automate deployment of BW engines Test/Prod environments using VB.Net.
* *EPIC Rollout (Kansas & Springfield)*
  + Developed TIBCO ActiveMatrix BW Interfaces to integrate patient systems with EPIC Healthcare System.
  + Implemented HL7 message transforms with Mapper/SmartMapper. Deployed interfaces using ANT scripts.
  + Administered JMS server (i.e. TIBCO EMS); created EMS topics, queues, bridges with selectors as required.
  + Developed Java/J2EE code to pre-process HL7 messages, integrated code with TIBCO BW process.
  + Participating in technical design, Code, QA and peer reviews for TIBCO BW, Java and .Net applications.

**Environment:**  TIBCO BusinessWorks 5.4 with HL7 plug-in, SmartMapper 5.3, EMS 4.4, Admin 5.4, Hawk 4.7, Java 5/6, HTML, Javascript, Oracle 9i/10g, Windows XP/2003, RedHat Linux 4, Version One Project Mgt., Tortoise SVN, ANT, Health Care-Hospital Mgt Systems (EPIC, GE HealthCare, Philips, Siemens-Draeger, Quest, Meditech, TRMS).

**Feb 2007 – March 2008 | Integration Architect | Allstate Insurance – Buffalo Grove, IL**

**Role:** Responsible for Integration architecture as well as mentoring the developer team.

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* *Project: Run-The-Business*
  + Responsible for maintaining architecture for 265 TIBCO ActiveMatrix BW Interfaces (135 BW 5.3.2, 130 BW 5.2.1), reviewing hot-fix code, providing technical oversight for production issues & standards compliance
  + Providing guidance and direction for developer teams in Illinois, N. Ireland & Mumbai.
  + Implemented solutions for increased robustness, scalability and performance; including:
    - Developed TIBCO BW web service & client to prove use of F5 BigIP for load balancing web services.
    - Configured Java Runtime Engine (JRE) to eliminate Java IP-caching issues.
    - Guided developers on configuration for fault tolerance across Oracle database & JMS server nodes.
  + Responsible for Integration during Datacenter disaster recovery failover testing.
  + Ensuring the team’s use of TIBCO EMS complied with Allstate standards for SOA & Enterprise Service Bus.
  + Inventoried CTS Integration Interfaces / reviewed Tibco BW code & docs, complied data into WSS website.
* *Project: Legacy Claim Migration from DB2/IMS to Oracle [Cobol / Ab Initio / Tibco BW]*
  + Responsible for translating Business requirements into functional/technical, UML and approach documents.
  + Architected integration of over 20 Internal applications and 8 Business-Partner applications.
  + Responsible for review and approval of design and code artifacts, test plans and deployment instructions.
* *Project: Upgrade from TIBCO BW v5.2.1 to BW v5.3.2*
  + Revised existing architecture for build standards compliance and to resolve existing defects.
  + Providing direction and mentoring for team of 6 developers on development best practices, Industry/Allstate standards compliance and development methodology (modified Waterfall).
  + Generated firewall rules for connectivity to vendors including Bank of America, Safelite Auto Glass, etc.

**Environment:**  MS Visio, TIBCO Designer 5.5, ActiveMatrix BusinessWorks 5.2 - 5.6, Integration Manager 4.6/5.0, BusinessConnect 3.5.1, EMS 4.2 (JMS), SAP/File/ActiveDatabase Adapters, Admin 5.5, Rendezvous, Hawk 4.6, Oracle 9i/10g, Sun Solaris, IBM Mainframe & AS/400, WRQ Reflection for IBM V12.04, Test Director, Load Runner.

**Apr 2005 – Feb 2007 | Tibco Developer - NextGen R0.5 and R2.0 | Allstate Insurance - Buffalo Grove, IL**

**Role:** Design/Development of B2B & A2A interfaces to integrate In-house and Business Partner apps.

* *Developer Responsibilities*:
  + Converted business, functional and technical requirements into Interface design documents & UML diagrams.
  + Implemented technical designs by developing BW processes to:
    - integrate mainframe modules (get claim requests via MQ queues) to downstream .NET processes (send claim payments via web services) with data enrichment from Oracle & SQL server DBs
    - exchange confidential insurance claim data with business partners via XML FTP transfer and EDI
    - Extract files from zip archives & send messages to JMS server (using custom java code).
    - update Oracle database with messages retrieved from MQSeries queues (mainframe data source)
  + Developed XML schemas and Cobol copybooks for data exchange between Mainframe and .Net processes.
  + Wrote SQL scripts for CRUD operations, reviewed script performance with DB Admins, updated as required.
  + Generated test datasets and ran jobs on mainframe to trigger Tibco process via MQ Series queue messages.
  + Developed test scripts, supported Integration/QA testing, defect tracking (using Test Director) and resolution.
  + Peer reviewed of detail designs and code produced by other developers.
* *Administration Responsibilities*
  + Configuring local JMS (EMS) queues/topics, requesting landing zones & disk mounts from Storage Solutions.
  + Deploying TIBCO BW Processes & Adapters to Dev and Integration test environments using TIBCO Admin.
  + Implementing process monitoring / alerting using Tibco Hawk/Hawk Accelerator scripts.
* *Other Responsibilities [Integration Environments team]*
  + Maintaining/Expanding the NextGen Integration Repository – home to configuration/deployment parameters for project team (ASP application on Microsoft IIS web server, data in 1st MS Access then, SQL Server).
  + Reviewing and validating the team’s deployment parameters that were housed in Integration Repository.

**Environment:** TIBCO Designer 5.3, BusinessWorks 5.3.2, BusinessConnect 3.5.1, EMS 4.2, Adapters (SAP / File / ActiveDatabase), Administrator 5.3, Rendezvous, Hawk 4.6, Oracle 9i/10g, Java/J2EE, Microsoft Visual Studio 2005, Windows XP, XML Spy, Sun Solaris, IBM AS/400 (WRQ Reflection for IBM V12.04), Test Director, Load Runner.