Zhenyu Tan

35 Glade Dr, Colonie, NY 12309 USA • Phone: (919) 802 3543 • Email: [iztan8@gmail.com](mailto:iztan8@gmail.com)

Summary of Qualifications

* More than Fifteen years of industry experience in latest software Technologies
* Expertise in **Curam Framework** and **Cúram Certified Developer**, Over eight years hands on **Curam** developing/designing experience.
* Expertise in IDE tools like Eclipse and tools **IBM Rational Rose, IBM Clear Case, IBM Clear Quest**, SVN, CVS, VSS, PV2CS.
* Proficiency in designing/developing web based database driven applications, experience programming on JAVA, **J2EE platform**, EJB/Servlet, JSP, **Struts, XML**, JUnit, **SQL, PL/SQL**, HTML and **Oracle** Database.
* Proficiency in **Curam Application** design/development including Façade/Service/Entity, Batch program, UIM, Rules and Workflow implementation; strong experience in both application build and business knowledge/analysis.
* Experience with Java design patterns; Experience with **Tomcat, Weblogic, Websphere** and backend **DB2, Oracle database**.
* Strong background in successful application of **Object-Oriented Design Principles** and methodologies like **UML** and **Design Patterns**.
* Strong analytical, problem solving skills; good communication skills, hard working and

effective team player.

Technical Skills

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| Programming: | Curam, JAVA- (J2EE platform: Java Bean, JSP, Servlet, EJB, JDBC, JNDI, JavaMail), XML, Swing/AWT and C/C++, PL/SQL, PERL, SQL, SHELL. |
| Database: | DB2, Oracle, MS SQL Server 2000/7, Pro\*C. |
| Operating Systems: | MS Windows 7/Vista/XP/NT/2000, Unix, MS DOS. |
| Web Development: | XML, JSP/Servlet, CGI, HTML, JavaScript, VRML, Oracle WEBDB. |
| Tools and Utilies: | Wi Eclipse, JBuilder, Ant, Struts, JUnit, UML, PVCS, VSS, MS Visual Studio,  Adobe PhotoShop, CorelDraw. |
| Others: | Visual C++, Motif, Win32 API, MFC, DCOM. |

Education

* *Master of Science in Computer Science*, Old Dominion University, Norfolk, VA May, 2003
* *Bachelor of Science in Pharmacy*, Second Mil. Medical University, Shanghai, China Jul, 1989

Professional Experience

* Unique Comp, Inc, Long Island, NY (Jan '14 – Now) Curam Architect Developer/Tech Leader
* Enlightened Inc, Washington, DC (Feb '13 – Nov '13) Sr. Curam Developer
* Isymmtry Inc., Alpharetta, GA (Mar '12 – Dec '12) Sr. Curam/Java Developer
* TacSystems Inc., Burnaby, BC (Jan '11 – Feb '12) Java Developer
* Quartech Inc., Burnaby, BC (Mar '07 – Nov '10) Sr. Curam/Java Developer
* Wissen Inc., Edison, NJ, USA (Nov '05 – Dec '06) Java Documentum Developer
* Old Dominion University, VA, USA (Jan '02 – Sep '05) Java Developer/Research Assistant
* Cynatek Computer Inc, Coraopolis, PA (Jun '01 – Jan '02) Java Developer
* Pinkerton Computer Inc, Alexandria, VA (Dec '00 – May '01) Java Developer
* Itribe.com Inc, Virginia Beach, VA (Dec '99 – Dec '00) Java Developer

Project Details

**Project: New York Early Intervention System (NYEIS):**

**Client: Department of Health, New York State, USA** **Jan’14- Present**

**Role: Sr. Curam Solution Architect /Tech Leader**

**Tools & Technology Used** Cúram 6.0, Java/J2EE, XML, Oracle 11g, SQL, Websphere, XML, Eclipse 4.2, and Tomcat 6.0.

**Description:** NYEIS project is a Curam based, web centralized, state-of-the-art system that electronically manages Early Intervention Program (EIP) administrative tasks and provides for information exchanges. This system is designed to support EIP's service delivery, financial, administration, and management activities at both the local and state levels.

**Responsibilities:**

• Provide architectural guidance and design for the Cúram product for the NYEIS

Program. translates business level requirements into technical specifications within the Cúram

Framework

• Leads and assists with the development of artifacts that meet client/Program people needs Technical analysis and provide solution to fix issues/problems from testing team or identified by BEI team.

• Implemented Design and development of server and client side Curam enhancements

(Including Workflow, batch program customizations).

• Made architectual solution / technical designing for Processing Attachment Blob to

FileNet System; Coding/Implementation for encryption/decryption,

Compression/decompression of Attachment file. Implemented batch program for processing

Blob attachment.

• Participating Code review.

• Participating Client and Program side communication meetings, initiates and to ensure that

Client requirement trends are built into future releases of the product or software asset.

• Provide mentoring and guidance to team member.

**Project: District of Columbia Access System (DCAS):**

**Client: InfoSys, Washington, DC, USA** **Feb’13- Nov’13**

**Role: Sr. Curam Developer/Tech Leader**

**Tools & Technology Used** Cúram 6.0, Java/J2EE, XML, Oracle 11g, SQL, Websphere, XML, Eclipse 4.2, and Tomcat 6.0.

**Description:** DCAS project is a health and human services solution; it’s designed to provide the District’s Health Benefit Exchange (HBX) Medicaid system, private health insurance and other programs with new case management capabilities that span programs and agencies; it facilitate seamless access to health care and human service benefits to all District residents.

**Responsibilities:**

• Requirement gathering and analysis, wrote functional design, detail design document.

• Architecting and delivering multiple, complex end-to-end business solutions.

• Implemented ACEDS web service module that creates ACEDS Case, and implemented

Task/workflow, for notifying case owner any connection issue.

• Implemented Appeal SHOP (Small Business Health Options Program) and Non-SHOP Tasks,

Notification, work queue and workflow.

• Worked on batch program whose process checks after eligibility reassessment, set and update

The case status to “Pending Closed”.

• Implemented citizenship and Medicaid care rule set.

• Worked on case processing, case management, verification item configuration and Appeal

Module.

• Participate and present Knowledge Transfer sessions, mentoring junior developer and team in

development projects.

• Perform Junit Unit test case.

**Project: North Carolina Families Accessing Services through Technology (NCFAST):**

**Client: Accenture, Raleigh, NC, USA** **Mar’12-Dec’12**

**Role: Sr. Curam Developer**

**Tools & Technology Used** Cúram 6.0, Java/J2EE, XML, Oracle 11g, SQL, Websphere, XML, Eclipse 4.2, and Tomcat 6.0.

**Description:** NCFAST project designed to improve the way NC Department of Health and Human Services and the 100 county departments of social services conduct business. NC FAST introduces new technological tools and business processes that will enable workers to spend less time on administrative tasks and more time assisting families.

**Responsibilities:**

• Requirement study and analysis of the functional design, detail design document.

• Check with requirement team about the design and pages, adding/updating/correct detail

design Document

• Implemented Case Owner for Case Owner Update Batch program, improving/optimizing ns

method Case Maintenance SQL performance.

• Implemented ELIG General MA\_SA Eligibility application, developed third party insurance

company (service supplier) search through web service call.

• Develop evidence, screen, configuration and domain search functionality, also develop rule

set on latest Curam technology CERT.

• Coordinate developer level testing with team members.

• Write code for Junit test cases.

**TacSystems Inc, Burnaby, BC, Canada**

**Role: Director/CEO Nov’10- Feb’12**

**Tools & Technology Used**: JAVA, HTML, Javascript, Servlet, JSP, Tomcat, MySQL.

**Description:** Helping clients in China to set up java web application to sell online merchandise, shopping cart and trade. Implemented java inventory report application, installed and configured web server, developed server side code to accessing database, implemented and added enhancement code on client’s legacy system.

**Project: Claims Management Solutions (CMS): Client: WorkSafeBC, Richmond, BC, Canada** **Sep’08-Oct’10**

**Role: Sr. Curam Developer**

**Tools & Technology Used** Cúram 5.5/6.0, Java/J2EE, XML, Rational Rose, DB2, SQL, Websphere, XML, Eclipse 4.2, and Tomcat 6.0.

**Description:** Worked in Claims Management Solutions (CMS) project, the project provides automation of the WCB core claims related business process.

**Responsibilities:**

• Developed and enhanced workflow, modify and add workflow node, implement workflow BPO;

created ns SQL method for accessing and operation on database.

• Developed CMS Admin – the PRMRT table management application,

• Developed service layer, entity layer, UI screen, façade and Rose model.

• Worked in production support and development of CMS components.

• Worked on SQA bug fixing, tickets investigation, components analysis and development with

focus in Components in BT-01 area (includes invoices, DataSweeper, call center, search and

match).

• Worked on task management.

• Analyzed and fixed task related ticket using knowledge of Curam workflow.

• Added Unit test and increase Junit coverage for different package (survivorbenefit, product, claim,

rate, decisionAssit, Injury).

**Project: Alberta Human Resources and Employmen Enterprise Solution (AEII):**

**Client: IBM, Burnaby, BC, Canada Mar’07-Jul’08**

**Role: Sr. Java Curam Developer**

**Tools & Technology Used** Cúram 4.5, Java/J2EE, XML, Rational Rose, DB2, SQL, Websphere, XML, Eclipse 4.0, and Tomcat 5.5.

**Description:** Worked as a Java Curam Consultant in IBM for the project of Alberta Human Resources and

Employmen Enterprise Solution (AEII). The project goal is building the social enterprise management

system for Alberta Government based on Curam framework.

**Responsibilities:**

• Involved in full life cycle of project from analysis, design, Implementation and quality assurance.

* Designed, implemented and unit tested Person Registration, Person Employment, Person Employment Insurance Eligibility, Employer Registration, HRSDC and Integrated Case Home modules.
* Used Rational Rose, UML to model business process, customize entities, façade layer and service layer; developed/coded software module based on use case model, sequence diagram and class diagram etc.
* Created multiple eligibility rule set and sub-rule set, created Rules data access object (RDO), implement rules loader and rules BPO.
* Used Cúram UIM to build and customize client side screens and parameter passing, developed server side components and utilities using Java J2EE to interact/customize with Cúram core components.
* Created and wrote technical documents, such as functional specification and internal design documents.

**Project: BPM Data Publishing Application:**

**Client: EMC Corporation, Pleasanton, CA, USA Jul’06-Nov’06**

**Role: Java Documentum Developer**

**Tools & Technology Used**: DFC 4.1, WDK 4.1, Web Top 4.1,Documentum Developer Studio, JSP, Servlets, DQL, IAPI, Oracle 8i, JAVA 1.3, XML, Web logic 7.0

**Description:** EMC Corporation is the world leader in products, services, and solutions for information management and storage. EMC is among the 10 most valuable IT product companies in the world.I worked in the BPM (business process management) group, developed the server side components using Java Documentum technology that involves the ability to push data from documentum objects participating in a business process to an external system.

**Responsibilities:**

* Developed the server side components using Java Documented technology that involves the ability to push data from documental objects participating in a business process to an external system.
* Developed workflow publishing data module that publish data to audit trail database, creating XML file corresponding to each workflow package, publishing XML to Audit Trail Tables, Developed activity template that allows designers to pick objects/packages that need to be published.
* Created Job that runs periodically to publish the data and object attributes to Audit Trail database.

**Wissen Inc, Edison, NJ, USA**

**Role: Java Documentum Developer Nov’05-Jun’06**

**Tools & Technology Used**: DFC 4.1, WDK 4.1, Web Top 4.1,Documentum Developer Studio, JSP, Servlets, DQL, IAPI, Oracle 8i, JAVA 1.3, XML, Web logic 7.0

**Description:** Worked on QMS project that involves Documentum server and Java programming for enterprise to automate and manage documents through their complete life cycle, workflow.

**Responsibilities:**

• Using Java, DFC to implement Migration utility whose functionality is to import regular operating

system Files to the QMS system based on different type and lifecycle, as well as workflow stage.

* Developed Documental Content Server configurations for the QMS system in the form of comprehensive docapp archives that include following object structures: custom object types, cabinet folder structures. Lifecycles, workflows, functional user groups, ACLs, alias sets, pre and post installations DQL scripts.
* Wrote post-procedure docbasic scripts to implement desired ACLs based on the attribute of custom object types.
* Wrote functional specification documents.

**Project: GIS and digital library research project:**

**Client: Old Dominion University, Norfolk, VA, USA Jan’02-Sep’05**

**Role: Java Developer/Research Assistant**

**Tools & Technology Used**: Java, JSP/Servlet, Java Bean, Struts, Ant, JBuilder8.0/9.0, JDBC, VRML, Oracle9i and Tomcat4.0/5.0, Weblogic7.0/8.1, XML, JUnit, MVC pattern, Eclipse3.0, Hibernate3.1, Junit3.0/4.0.

**Description:** Worked as part of a collaborative design and development team focused on the grant-funded research projects. Worked on Geographic Information System (GIS) research project, responsible for implementing GIS city model of Denver city based on orthoimage photo data; Worked on digital library research group, responsible for implementing digital library bucket and SODA protocol using Java J2EE platform; Projects are funded by national science foundations (NSF).

**Responsibilities:**

• Requirements gathering and analysis; translated client needs into functional specifications; System

Design using UML and modeled on MVC Pattern.

* Developed Java Persistent Objects mapping the database columns to set or get data from the database residing on Oracle 9i using JDBC and PL/SQL statements, Hibernate3.1.
* Developed Business Objects to implement the business logic and Utility classes using OOAD methodology for reusability.
* Generated use cases, implemented the sequence diagrams based on requirements using Altova Umodel 2005.
* Developed application using JBuilder 9.0 on WebLogic 8.1 Application server and used PVCS as version control manager.
* Reengineered Bucket digital library protocol that was originally written in Perl into Java Bucket framework on J2EE platform.
* Developed GIS web tools running on J2EE platform for user displaying, viewing building and street structures of metropolitan area; for user setting up building attributes, customizing viewing features and customizing the buildings features.
* Authored a paper titled Visualization of 3D GIS City Model that has been accepted by the 4th International Symposium REMOTE SENSING OF URBAN AREAS 2003 in Regensburg, Germany.

**Project: Darwin Medicine Prescription Automation Software:**

**Client: TechRx, Coraopolis, PA, USA Jun’01-Jan’02**

**Role: Java Developer**

**Tools & Technology Used**: JSP/Servlets/EJB, XML, Struts, MVC pattern, JNDI and JDBC, Oracle 8i; BEA's Weblogic 6.0; IDE: JBuilder5.0, Eclipse and Java Beans, Tag Libraries, PVCS.

**Description:** Worked on implementing Darwin software application that modeled and automated the complex pharmacy prescription fulfillment process using Java, J2EE and Oracle technology, developed EJB components and web controller JSP/servlet tier.

**Responsibilities:**

• Requirements gathering and analysis.

* System Design using UML and modeled entirely on MVC Pattern.
* Designed/implemented drug utilization review module and clinical inquiry module, the online web application used Java following the MVC pattern, which uses J2EE technologies like EJB, JSP, XML, Java Servlets, Struts, RMI, JNDI and JDBC, using the Model II design pattern.
* Wrote SQL Script for populating and accessing Oracle database. Implemented code generator utility tools using Java OOP.
* The backend is Oracle 8i, the Application Server is BEA's Weblogic 6.0 and the IDE is JBuilder.
* Redesigned Front-end using JSP, Swing/Applet; Implemented the business logic using EJB 2.0, Servlets, Java Beans, Tag Libraries, JNDI, and JDBC.

**Project: TeleRecruiter Application:**

**Client: RedCross, Mclean, VA, USA Jan’01-Jun’01**

**Role: Java Developer**

**Tools & Technology Used**: WindowsNT/2000, Java, MVC pattern, XML, JSP/Servlets/EJB, JDBC; Oracle 8i, Weblogic5.1; JBuilder4.0, Visual Age, VSS, Java Beans and Tag Libraries..

**Description:** Worked on implementing TeleRecruiter project that is developed for blood donor recruiter in medical service to access information of blood donors and manage the recruiting process. The project reengineered original SqlWin application to J2EE application.

**Responsibilities:**

• Designed/implemented the Control Panel.

* Using model view controller (MVC) architecture, with J2EE technologies, application is built in Java that uses JSP, Servlets, and with Oracle Server on the back-end and the application server is Weblogic.
* Developed business logic using Java Bean, EJB, XML; Developed Data Access Object using Java.
* Designed each project component using UML and Rational Rose;
* Wrote the functional specification documents.

**Itribe.com Inc, Virginia Beach, VA, USA**

**Role: Java Developer Jan’00-Jan’01**

**Tools & Technology Used**: Java, JSP/Servlets, Oracle 8, JBuilder3.0, JDBC, SQL, PL/SQL, Unix and WindowsNT/98.

**Description:** Worked on data processing application, writing program that accesses and processes data in a large scale inventory database, developing GUI interface to administrate data processing procedure, developing web search engine in which customer can search the inventory to choose the desired products.

**Responsibilities:**

• Implemented data processing module using Java, it deals with different kinds of format data sent

from different dealers and transfers them into standard format file and stores corresponding

values into oracle database.

* Implemented management GUI using Java and Swing, provides configuration interface for administrator to specify data type, data sources and the location to store the data.