

JINGWEN FRANCIS

OBJECTIVE

A senior software design/development or application architect position.

SUMMARY OF QUALIFICATIONS

- Recent experience in design and development of a web-based EJB application using Weblogic EJB container, Jakarta Tomcat Servlet engine/Struts, TogetherJ, and TOPLink for Java modeling tools.
- Extensive hands-on development experience using the core JDK, JDBC, JavaServer Pages, Servlets, JavaBeans, and XML.
- Software modeling/analysis using Rational Rose, UML, and JProbe.
- Experience in design & development using design patterns.
- Excellent comfort level in programming under a variety of languages including Java, HTML, JavaScript, C/C++, UNIX Shell Scripts, SQL.
- Deployment of web applications under Weblogic, Apache/Tomcat, and Websphere.
- Extensive experience with Sybase and Oracle RDBMSs.
- Sybase Open Client/Server development experience.
- Understanding of CORBA, RMI, and related distributed computing technologies.
- Software development in UNIX and Windows environments on Sun Workstations and PCs.

EMPLOYMENT EXPERIENCE

Nov. 2000 – Jul. 2001 **Bayshore Technologies Inc** **Toronto, Ont.**

Senior Java Developer/Consultant

- Participated in design and development of a web-based EJB application for providing financial services to customers/staff of a large UK credit bureau. The application was based on the three-tier architecture, using Tomcat Servlet engine and Weblogic EJB container. Mainly responsible for developing EJB components and associated domain objects for the user management, foreign exchange, and security service engine of the application. Used TogetherJ 4.2 for modeling Java class objects and TOPLink 2.5 for Java for providing persistence framework on top of JDBC to an Oracle database. Also prototyped a user interface to the services using Jakarta Struts MVC (Model View Controller) framework, JSP, and Servlet. Created custom tags for the JSP pages. Environment: Java, Oracle 8i, TogetherJ, Toplink, Weblogic 6.0, CVS, and Solaris.

Mar. 2000 – Nov. 2000 **Screaming Solutions Ventures Inc** **Toronto, Ont.**

Senior Java Developer

- On-site consulting for a previously implemented JSP and Servlet dynamic content public portal. Reviewed the application architecture and Java source code, and recommended possible improvements.
- On-site consulting on the web-application deployment on Apache & Tomcat and the integration between iPlanet and WebLogic.

- Proof-of-concept for a web-application using FDFTK to display dynamic content in PDF format generated by server-side components; deployed using Weblogic Express. Environment: Solaris, Adobe 4.0, Weblogic 5.0, Java, JSP, and Servlets.
- Designed and developed the front end of a web-based Oracle 8i data warehouse application using MVC model. Environment: Java, JSP, Servlets, JavaBeans, JDBC, XML, HTML, JavaScript, PL/SQL, CVS, and Unix.
- Designed and developed the data acquisition/transformation/fact population layer of the data warehouse application in Java including JDBC APIs. Environment: Oracle 8i, CVS, and Unix.
- Developed server-side Java components using Visual J++ for a web-based call centre framework and application. Reverse engineered the application using Rational Rose. Environment: Java, XML, Apache/Tomcat, CVS, and Win32.

Mar. 1998 – Mar. 2000

EDS Systemhouse

Toronto, Ont.

Information Specialist

- Developed web-based applications in JSP and Java for a discount broker. Wrote Java Servlets and JavaBeans used by the applications. Modeled parts of the applications in Rational Rose. Environment: Websphere, Java, Servlets, JSP, C, Sybase Open Client/Server, Clearcase, and Unix.
- Wrote business and software requirements specifications for a web-based fixed income order entry/inquiry application.
- Participated in the development of an on-line account open application for a discount broker in Java with J-Builder. Environment: Java, Applet, Swing, and Win32
- Wrote business and software requirements specifications for the re-write of a web-based equity order entry/inquiry application.
- Wrote software requirements specifications for an automated cash transfer application with an electronic file transmission to a bank and a bookkeeping file upload to ADP.
- Developed, maintained, and supported Sybase Open Client/Server applications in C language. Environment: C, Sybase Open Client/Server and stored procedure, Transact-SQL, Clearcase, and Unix.
- Provided work/cost estimates for developing/implementing new applications and enhancements to the existing applications. Prepared project plans for various projects. Interacted with customer on a regular basis.

Dec. 1995 – Feb. 1998

Spectra Securities Software Inc.

Toronto, Ont.

Software Developer

- Wrote software requirements specifications and the high level software design document for a Mid-Office portfolio server.
- Led the development of a portfolio inquiry and a mutual fund order entry/inquiry client/server application in C language with embedded SQL. Wrote Sybase stored procedures to perform the inquiries.
- Developed and maintained ADP Mid-Office loader and extractor applications in C language with embedded SQL. Also developed and maintained Sybase stored procedures to populate the Mid-Office tables and to extract the data from the tables.
- Led the development of various Mid-Office application reports in Sybase SQR.
- Wrote Mid-Office maintenance in Transact-SQL and shell scripts.

Environment: C, EZRPC 3.0, Sybase Transact-SQL, stored procedure, Clearcase, and Unix.

Jan. 1993 – Dec. 1995 **EDA Instruments Inc.** **Toronto, Ont.**
Software Engineer

- Wrote network control center applications and the associated graphical user interface in C++.
- Developed application layer protocols between a network control center and a network management package in 68000 Assembly.
- Designed and prototyped a data communication network management package (NMP) user interface in C language. Implemented the NMP in 68000 Assembly and C language.

PROFESSIONAL TRAINING

- Java for Enterprise Systems Development (JDBC, RMI, Socket, Corba, EJB)
- Middleware: Developing and Integrating Enterprise Applications
- Requirements Determination
- Canadian Securities Course (completed with honours)

EDUCATION

1991 – 1992 **University of Toronto** **Toronto, Ont.**
Master of Engineering

In Computer Engineering, Electrical & Computer Engineering Department.

1988 – 1990 **Chiba University** **Chiba, Japan**
Master of Engineering

In Automatic Control, Electrical & Electronics Engineering Department.