

ALIK GOTLIB

(416) 845-0046 • SOFT@GOTLIB.NET • 204-1001 ROSELAWN AVE., TORONTO, ON

S U M M A R Y

Software Engineer & Solution Designer

16 years of professional experience in Java & TIBCO application design and development
6.5 years of experience delivering SOA & EAI solutions for financial and telecom industries
Strong analytical and decision making skills

T E C H N I C A L P R O F I L E

Java & TIBCO

- Java EE
- TIBCO BusinessWorks
- TIBCO BusinessEvents
- Spring
- Hibernate
- EJB
- Web-Services
- SOAP/HTTP & SOAP/JMS
- JMS/EMS/Rendezvous
- JSP / Struts / Tiles
- Acegi Security
- CAS Single Sign-On
- LDAP
- Java Networking
- WLI Business Processes
- WebLogic Integration
- WebSphere
- JBoss / Tomcat

Concepts

- Design Patterns
- SOA
- EAI

Finance

- Capital Market
- Trading Systems
- Corporate Portfolios
- Personal Portfolios
- Wealth Management
- Securities
- Derivatives

Languages

- Java SE / EE
- C# / .NET
- TIBCO BW / BE
- C++
- JavaScript
- DHTML
- XML / XSLT
- UML

Database-Related

- Oracle 8i – 11g
- MS SQL Server
- Teradata 6.0
- SQL / Stored Procedures

IDEs and Tools

- Visual Paradigm for UML
- MS Visual Studio
- IBM WSAD / RAD
- TIBCO BusinessStudio
- WebLogic Workshop
- Eclipse / MyEclipse
- UML Modeller
- MS Visio Design Tool
- ErWin DB Modeller
- JProbe & PMC Profilers
- Apache Ant
- FioranoMQ JMS Server
- IBM MQ Series
- TIBCO EMS & Rendezvous
- TOAD & SQL Developer
- Teradata DB Admin
- ClearCase / ClearQuest
- CVS , SVN, VSTS

Operating Systems

- Windows: NT/XP/Vista/7
- Unix: Sun Solaris
- Linux

PROFESSIONAL EXPERIENCE

04/2010-Present **SOA ENGINEER & APPLICATION DESIGNER** BMO

The Bank of Montreal is a major international bank with a large amount of connections around the world. Today BMO has assets of more than \$387 billion CAD, and serves over 7 million customers.

- Acted as a Java EE & TIBCO BW/BE consultant for Hub Enterprise Connector Grid, *the flagship* development group of BMO Technology & Operations. The group's specialty is rapid development of SOA services providing many-to-many interactions between the customer channels (branches, self-serve channels, call centres) and the host systems.
- Actively collaborated with Enterprise Architecture group, designed web-services and performed development of such large-scale projects as Bill Payment, Account Transfer for Business Banking, Enterprise Wire Payments etc. Implementing the projects on time and on budget helped BMO to be ahead of its competitors, attract new business and generate record profits.
- Designed and led the development of Hub Compensation Testing Framework, a data-driven framework for ensuring integrity of distributed financial transactions.
- Actively collaborated in business analysis of a *multi-million project* for switching the BMO's credit card vendor. Efficiently applied critical thinking, raised concerns and suggested solutions at the very early stages of the project, which led to significant budget savings.

Technologies: Java EE, TIBCO BusinessWorks, TIBCO BusinessEvents, TIBCO ActiveSpaces, SOA, EMS, JMS, MQ, Web-Services, WebSphere AS, XML, XSLT, SOAP, IBM IFW Modeling

03/2009-02/2010 **LEAD DEVELOPER / APPLICATION DESIGNER** Kobo Books

Kobo Books is a subsidiary of Indigo Books & Music specializing in eBook market. Kobo Books provides thousands of its customers with eBook applications for iPhone, Blackberry, Android and the web.

- Led Design & Development of the *Content Processing* module (team of 4 developers)
- Greatly improved module's performance: analyzed and refactored the problematic areas, which resulted in tremendous content processing speed (up to **8-10** times faster)
- Designed new data model, class model and business flows for Content Processing
- Established reliable application framework for book metadata analysis and import
- Significantly enhanced the module to support multiple formats of eBooks
- Communicated with the major publishers (Random House, Harper Collins, O'Reilly etc.), performed requirement gathering and system analysis for the module
- Performed design adjustments, troubleshooting, work coordination and code integration

Technologies: C#, .NET, MS SQL Server, UML, Natural Language Processing, XHTML

11/2007-03/2009

SENIOR JAVA EE CONSULTANT

The Jonah Group for BCBSM

*Blue Cross Blue Shield of Michigan (BCBSM) is a major North American health and dental insurance carrier providing health benefits to **4.7 million** members and processing 30,000 health claims daily.*

- Acted as a technology consultant for *BCBSM Benefit Configuration and Management System*, a suite of enterprise applications for provisioning and editing benefit rules, assembling benefit contracts and translating rules for claim processing.
- Reorganized and significantly improved NPS Variable Resolution module, the most complex mechanism of benefit rule translation.
- Produced new conceptual design for performing Benefit Package Translatability analysis. Defined new algorithms for business flows affected by the introduced approach. Worked closely with the implementation team and ensured high quality release of the feature.
- Designed and implemented Rule Structure Report to provide the BSBSM benefit analysts and rule coders with a tool to retrieve and analyze the information on rule structure translatability and promotion targets.
- Performed requirement gathering, analysis and design of the solution ensuring integrity of the data transferred between BCBSM and IBM's claim processing system.

Technologies: *Java EE, RAD 7.0, Web-Services, Spring, Struts, Ajax, EJB, JSP, WebSphere 7.0, XML Beans*

03/2007-10/2007

SENIOR J2EE CONSULTANT

The Jonah Group for CIBC

CIBC is a leading North American financial institution. CIBC provides a full range of products and services to almost 11 million clients and meets the financial needs of personal, corporate and institutional clients producing annual revenue of \$11.3 billion.

- Acted as a technology consultant for Personal Portfolio Services (PPS Online) application, a Wealth Management system serving **127,000** accounts.
- Provided such functionality as managing clients' retirement income funds and life income funds, systematic withdrawal plans, trust beneficiary designation and more.
- Established a workflow for opening and maintaining personal and corporate portfolios.
- Provided a wide variety of internationalized front-end solutions for PPS Online, developed a significantly extended MVC framework on top of Struts.
- Developed a module for generating customized PDF documents which contained account details for new and existing account applications.
- Implemented access control for the PPS Online wire frames based on user's permissions.

Technologies: *J2EE, Struts MVC, JSP, Serolets, XML Schema, XSLT, JAXB, Apache Tomcat, JUnit*

07/2006-02/2007

TEAM LEAD / SOLUTION DESIGNER

Teradata, NCR

Teradata is a leading provider of analytical and data warehousing technologies. It serves more than 800 companies, including such billion-revenue clients as Paramount Pictures, FedEx and eBay. Teradata Application Platform offers easy-to-use plug-in component architecture for application development.

- Consulted the Teradata Application Platform (TAP) group on reorganizing architecture of the platform towards componentization and switching to lightweight solutions. The **new architecture** raised the product to the next level of deployment flexibility and significantly increased its performance.
- Took full responsibility for releasing the platform's **Security** framework:
 - Communicated with the project customers and performed requirement analysis.
 - Researched new technologies for authentication, authorization and data security, analyzed the trade-offs of different approaches and came up with a model answering all the customers needs.
 - Created high-level architecture for the security module.
 - Estimated the impact of the new solution on TAP services, provided task sizing.
 - Performed data modeling and low-level design of the module components.
 - Led TAP Security development performed by Canadian and international teams.
 - Released a stable and reliable product: TAP 2.0 Security

Technologies: J2EE, Spring, Struts, Hibernate, Acegi, CAS Single Sign-On, EJB, Ajax, OpenLDAP, Active Directory, Agile, JBoss, Tomcat, WebSphere, WebLogic, ClearCase, SVN, Continuum, Pulse

03/2006-06/2006

SENIOR J2EE CONSULTANT

MFX Fairfax

MFX Fairfax provides insurers, risk managers, agents and brokers with leading edge applications designed specifically for the insurance industry. It develops solutions for underwriting and claims, web-based file systems and BPO services. MFX is a subsidiary of Fairfax, a global financial services holding company.

- Acted as a core member of a highly productive team providing services to ING Canada, Pan-American Insurance Company and Western Life Assurance Company.
- Developed new Pan-American application for client's health assessments, flexible premium calculations, online quote underwriting and policy issuing.
- Advanced the application infrastructure for automatic generation of policy documents.
- Created fast and reliable framework to update Pan-American with daily client and billing activity reports.
- Provided efficient solutions to products' internationalization for the Latin American market.
- Performed full research and impact analysis for Western Life mail server upgrades, supervised the implementation and advised on the optimal ways of mail archiving.
- Successfully scaled the Western Life application to support multiple-insured policies (JLTD).

- Developed new functionality to enable the Underwriters to accept and modify the JLTD quotes and policies in an intuitive and efficient way.
- Introduced new ways to re-rate/modify premiums for the joined insurance quotes.

Technologies: J2EE, IBM RAD 6.0, Struts, Tiles, JSP, Servlets, JavaMail, JDBC,DAO, WebSphere 6.1

09/2004-02/2006 **SENIOR J2EE & SOA CONSULTANT** CGI for Bell ExpressVu

Bell ExpressVu is a division of Bell Canada that sells television services. Besides the traditional satellite TV, it offers interactive television (iTV) via VDSL. ExpressVu provides 300 channels to 1.5 millions subscribers.

- Analyzed system requirements and performed application design for ExpressVu BO Billing System. The amount of monetary transactions processed by BOBS is **\$325 millions**.
- Developed and collaborated in SOA solution design of OneVu framework for the National Install program for ExpressVu and Interactive Activation System (IAS). The project became a big success and exceeded the profit expectations **by 85%**.
- Created Web Services for OneVu's interactions with the external systems such as IBM's Order Management framework and WorkForce Management system.
- Defined core Business Process flows to handle service delivery transactions of IAS.
- Modeled and built the entire OneVu database layer using DB controls with WebLogic Integration Server (WLI) platform.
- Implemented a large variety of Java controls for transformation, validation and processing of National Install business requests.
- Designed and developed Electronic Customer Statement Management system.

Technologies: J2EE, EJB, SOA, Web Services, WSDL, Servlets, JSP, Struts, XSLT, JDBC, JNDI, JMS

02/2001-07/2004 **SENIOR J2EE DEVELOPER** Matrix IT

Matrix IT is a software house that employs 1,800 professionals and provides IT services to 500 companies. The company leads the way in the financial market technologies. Matrix IT develops software products for banking industry, performs integration projects and provides consulting services to banks, credit card and insurance companies worldwide.

- Being a leading member of a team of financial software professionals, developed a **Capital Market** enterprise management system for mutual funds of a **major banking group**. An average turnover of executions performed by this system became **\$110,000,000** per month.
 - Acted as a core developer of **Command Trading** module, which came to production first and became the flagship module of the project. Performed full running-time optimization to ensure high-speed processing of broker commands.
 - Actively participated in efficiency tests of the Capital Market business processes, provided full performance analysis, located and eliminated application bottlenecks.
- As a result of my suggestions for design and implementation improvements the performance

of the problematic processes increased **3-5 times**.

- Designed and applied Spider - a fast-messaging infrastructure for communication with Stock Exchange using encoded message protocols.
- Took full responsibility for maintenance of Over-The-Counter Trading module. Performed reverse-engineering of the existing code and significantly improved its reliability.

Technologies: OOAD, J2EE, EJB, IBM WSAD 4-5, JMS, UML, XML, SQL, JSP, Struts, WebSphere AS 4-5

Finance: Securities, Derivatives, Command Trading, Company Value Assessments, Foreign Exchange

02/1998-01/2001

TEAM LEAD, J2EE DEVELOPER

ViryaNet

ViryaNet is a leading provider of B2B Internet solutions for service communities. ViryaNet's Service Hub supports a variety of business processes in the areas of contracts, supply chain and repair, including: managing service level agreements, enabling customer self service, and providing replenishment.

- Developed Service Hub, a family of enterprise client/server applications for managing service delivery and supply chain. Performed task analysis, design, implementation, code maintenance and customer support for the product.
- As a **team lead** of four programmers, was responsible for development and releasing of customized product versions for Sun Microsystems. Performed task distribution, work coordination, code integration and technical consulting of the team. The Sun Microsystems project became the company's **most profitable** project of the year.
- Executed performance and functionality tests for complex processes using automated monitoring and testing tools during the complete development lifecycle.
- Developed and released Service Hub versions for General Electric Medical Systems, Teraoka Seiko and Nortel Networks.

Technologies: J2EE, JDBC, JSP, Servlets, XML, XQL, UML, SQL, PL/SQL, WebSphere, Unix, Windows

EDUCATION / CERTIFICATIONS

- **B.Sc., Computer Sciences diploma**, 1998
Technion – Israel Institute of Technology
- **Certificate of Achievement** from the **John Bryce Training Center**, 2000
Course of Internet technologies and web-development tools
- **Certificate of Achievement** from **BEA Systems**, 2005
Course of advanced enterprise app. development for WebLogic Integration Server (WLI)
- **Certificate of Java professional** from the **BrainBench Testing Company**, 2006
Had a great result in the certification and scored **higher than 96%** of all previous test takers
- **Certificates of Achievement** from **TIBCO Software**, 2011, 2012, 2014
Courses of TIBCO BusinessWorks, BusinessEvents, ActiveSpaces and EMS Administration