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OBJECTIVE

Contract position as a Technical Team Lead, Solution Architect, Consultant or Sr. Developer.

SUMMARY

I am a software engineer with 12 years of experience, specialized in enterprise client-server architectures including J2EE/EJB, CORBA and Web applications.

I CAN HELP IF

- you have a need for an application, but no resources to architect or create one
- you have a problematic Java, .NET or C++ application and need to fix it
- you have a software application you need to integrate with your other applications
- you have a legacy C++ application and need to rewrite it in Java or .NET

My primary focus is on the middle-tier business logic, and I have the required expert knowledge of Java/J2EE and C++/CORBA, as well as hands-on experience with surrounding technologies such as RDBMS/SQL, XML/XSLT and Unix.

I provide expert analysis and recommendations for design and implementation of systems, and able to resolve complex technical issues fast.

Being an effective technical team leader, I'm always aimed at development process improvement and bring best practices into every project.

LATEST PROJECTS

2007-2008 Direct Energy EBT 4.0, GDAR, TMS Upgrade: J2EE Consultant

2005-2007 CIBC Business Banking Replatforming: Development Lead, Solution Architect

2004-2005 Bell Canada IPWAN Order Management: Lead Developer

CERTIFICATIONS

SCJD Sun Certified Java Developer

SCBCD Sun Certified Business Component Developer

TECHNICAL SKILLS

Java/J2EE: SpringFramework, EJB, JUnit, Ant, JavaORB, Weblogic, Websphere, Sun ONE, JBoss, OC4J, JDBC, EJB-QL, JMS, MDB, JNDI, Hibernate, iBatis, Servlets, JSP, Custom Tags, Tomcat, Struts, WebServices, SOAP, XML-RPC, SOA, Eclipse, GWT, Ajax **SQL:** Oracle, DB2, Interbase, PostgreSQL, MySQL **CORBA:** Orbacus, VisiBroker, TAO, JavaORB, GIOP/IIOP **C/C++:** GCC, aCC, Intel C++, Borland C++, Microsoft VC, Watcom, STL **Unix:** Solaris, HP-UX, Linux, BSD, AIX **Integration:** Vitria, Tibco, MQSeries **Toolset:** UML, Design Patterns, unit tests **.NET:** C#

DIRECT ENERGY 2007/10-present

J2EE Consultant, contractor

EBT, GDAR and TMS Upgrade projects

Analyzed and implemented changes required to migrate to latest industry messaging standard: EBT4. Reviewed existing framework, introduced fail-safe measures. Consolidated 6 instances into one.

Planned and implemented server consolidation. Fixed a number of memory and CPU hog issues. Directed migration to Weblogic servers.

Migrated more than 20 Java/J2EE applications to Java 6.

Ported a big legacy C++ application (boost, xerces) from Solaris to HP-UX.

CIBC (CANADIAN IMPERIAL BANK OF COMMERCE) 2005-2007

Solution Architect, Technical Team Lead, contractor

CBB Business Banking project

The project is a replatforming of a legacy CORBA-based application (online business banking) onto enterprise-standard J2EE. The application is mission-critical and connected to the multiple backend systems; though, existing vendor application is showing the age, and it cannot be easily enhanced to keep up with the business demands. Rolling migration plan (four phases in a few years) imposed strict backward compatibility requirements. Lack of vendor documentation required large amount of reverse engineering work.

Analyzed and reverse-engineered the existing application to propose a draft design which would allow us to migrate the services gradually, one by one. Designed and developed the core application framework. Designed and implemented required changes on legacy side and in database schema.

The working prototype convinced management that the whole project is in fact feasible.

Introduced the usage of ORM (Hibernate), code generators and usage of reflection to simplify and speedup the development, reducing the amount of code a developer has to write.

Established a 100% test coverage rule and implemented a right-after-change integration build.

Designed, implemented and documented selected complex functional blocks, such as a pessimistic locking model and company profile life cycle. Analyzed inter-system communication use cases and designed concurrency handling rules and practices. Worked with business analysts to clarify and improve the requirements.

Created development and design guidelines.

First two phases was completed much faster than expected, and SIT/UAT testing showed about 50% less issues than was expected for a project of this size.

BELL CANADA 2004-2005

Lead Developer, contractor

IPWAN project

Mastered Savvion Business Process Manager (J2EE-based framework) in a very short time.

Participated in business process model development, optimization and bugfixing. Created Siebel emulator – a standalone Java application – for Vitria/Siebel/BPM integration testing. Re-designed, optimized and tested Vitria Java connector and related BPM adapters (both EJB-hosted and servlet-hosted). Participated in Siebel web-service (Apache Axis-based) connector implementation and

optimization. Developed database schema structure (Oracle) and mapped it to Java classes through ORM. Done large amount of change requests on all levels – from database (JDBC/Hibernate) to JSP/JavaScript.

Trained junior developers to catch-up with BPM and modern development methodologies (TDD). Mentored team of co-ops, who successfully implemented application-specific HttpUnit test framework.

SKEVA TECHNOLOGIES 2004

Sr. Software Engineer, contractor

UPCareOE/RefLab healthcare project

BFI Finance web interface

Performed EJB and JSP new code development and maintenance. Refactored project structure to isolate project parts. Tracked JDBC/SQL performance issues (some user-initiated searches are ten times faster now). Planned and deployed unattended night build servers for all of the company's products, providing the management with a fast access to current product demo.

Performed development of a new (Servlets and Javascript) functionality and bugfixing. Directly interacted with customer to clarify and improve requirements. Helped to solve customer technical problems. Analyzed and planned migration path from UNIBASIC/SCO legacy application to J2EE.

DATAART 2003

Sr. Software Engineer, contractor

Web-based CRM application, City Portal

Refactored legacy J2EE project to separate business logic and presentation code. Wrote JDBC code to map application data model into Oracle database. Ported PDF compiler (C++) from Linux to Sun Solaris. Introduced code quality management and regression testing. Performed group trainings on Test-Driven Development.

ACTIMIND 2002-2003

Sr. Software Engineer

Panmedix project

Started as a regular developer, wrote critical parts of application tier (EJB) code (including credentials manipulation, access rights layer, external applications synchronization). Soon have been promoted into Sr. Engineer position with system design supervision role. Conducted design sessions. Trained the personnel (pair-programming and lectures). Managed code quality. Introduced 100%-coverage unit testing. In 6 months, achieved 30% reduction in cost of change and 50% reduction in bug-fixing time.

OSW 2000-2002

Programmer

Prospero data mining project

Ported Win32 CORBA C++ server to HP-UX and Linux. Designed and developed a CORBA-based authentication server that allowed integrating the application into external security domains, and thus increased potential market. Created automated CORBA test tool to run script-based regression tests with no human interaction. Had been involved into creation of clustered version of the product, which was later used to run a 500-node grid in Hewlet-Packard's Houston lab.

Participated in creation of portability layer (synchronization primitives and threads) which simplified cross-platform development

ARCADIA 1999-2000

Programmer

F-Secure plugins for Lotus Domino and MS Exchange, LDAP plugin for a telecom provider

Developed automated test applications for Domino add-ons. The tests allowed reducing regression test time from 3 days to 1 hour and to enhance quality. Later extended the framework to test other company products, such as MS Exchange plug-in.

Designed and implemented custom in-memory OpenLDAP backend to serve distributed locks as fast as possible. Peak network performance increased ten times, while system complexity reduced due to removing unnecessary RDBMS.

RCCS 1996-1999

Programmer

Intranet application suite

Planned, implemented and deployed distributed intranet database (over 30M records those days, growing a few millions annually). Designed and implemented database schema. Created a Perl/CGI web applications to enter and process data.

Created scripts to generate FrameMaker files to publish the information with no human interaction (5000+ pages a month).

EDUCATION 1990-1996

University of Fine Mechanics and Optics, St. Petersburg, Russia

Major in CAD/CAM systems and microelectronics. Degree equivalent to bachelor's Degree in Computer Engineering.