

MIKE DESJARDINS

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OBJECTIVE

To find an opportunity to be an active, contributing software developer in an energetic company.

WORK EXPERIENCE

February 2009 – Present

CERES LOGIC, LLC Portland, ME

PRINCIPAL/CONSULTANT

- **Sony Music** – Collaborated remotely with several other developers to create www.ariama.com, an **e-commerce** destination for classical music fans. Ariama is a **Rails**-based application that runs on **JRuby** in a **Tomcat** application server on **Amazon EC2**. My role was primarily to develop the following:
 - Apache **Lucene** based content search.
 - Shopping cart functionality.
 - **ActiveMerchant** integration for payment with Chase/Paymentech and PayPal.
 - Integration with fulfillment vendors to place and track orders.
 - A Servlet-based download proxy server that modifies **ID3** tags and tracks customer's downloads, caching the modified files with **EHCache**.
 - Technical Skills Used: Ruby, JRuby, Rails, ActiveMerchant, Lucene, JQuery, CSS, EC2, MySQL, S3, Rightscale
- **Android Development** – Independently created two applications available in the Android Market.
 - **Skicast** – an application that allows users to view ski trail and weather reports. Developed a **Google App Engine** service that polls a third-party company for snow report data, from which the Skicast client downloads reports.
 - **Tidecast** – allows users to get tidal predictions for over 2,000 locations in the United States. Downloads tide forecasts from NOAA, and uses Android's **Location Service** to find the closest tide station to the user. The application also uses an **AppWidget** to display tide forecasts to the user.
- **BlueTarp Financial** – Created an API for clients to submit online credit applications for instant credit line approvals. The server made use of **Hibernate**, **Castor**, and **Velocity**.

June 2007 – September 2008

BLUETARP FINANCIAL, INC. Portland, ME

SENIOR SOFTWARE DEVELOPER

- **Independently created** a new **Tapestry** and **Hibernate** based **JEE web application** for the Credit Department to track and score credit applications. The application validates and persists user input to a **SQL Server** database, performs real-time credit checks with an external credit reporting agency, uses **iText** and **JasperReports** to generate PDF documents, and uses **T-SQL stored procedures** to upload accepted applications to the core credit system.
- Converted an externally facing web application from an **Apache Struts** implementation to a one that uses **Hibernate**

and the **Stripes framework**.

- **Technical Skills used:** Tapestry, Stripes, Struts, Hibernate, JPA, HiveMind, iText, Jasper Reports, Servlets, Tomcat, Glassfish, HTML, CSS, Javascript, IntelliJ IDEA, SQL, Data Modeling, Microsoft SQL Server, PostgreSQL

April 2000 – June 2007

BOSTON COMMUNICATIONS GROUP, INC. (Formerly Infotech Solutions Corporation) Westbrook, ME

OPEN SERVICES API ARCHITECT/TEAM LEADER

October 2004 – June 2007

- **Led analysis, architecture, and definition** of the *bcgi* Open Services (BOS) API. Member of a small team that **implemented a SOAP-based Java Web-Service API** for an existing wireless billing and customer care application. Primary responsibilities included **API definition, Data Modeling, T-SQL stored procedure** and **Java/J2EE** development. The SOAP API utilized the **Apache Axis** SOAP stack on the **JBoss** application server, and leveraged **Hibernate** for its persistence layer and the **Spring** framework for dependency injection and AOP.
- **Architected** an integrated postpaid/prepaid billing solution for **national wireless MVNO**, Amp'd Mobile. **Met with carrier and** representatives from **multiple integration partners**, including Verizon, Lucent, Schematic, and VeriSign/PayPal. Created conceptual design documentation, which articulated a design that was implemented by a geographically dispersed team of developers at several different companies. **Coordinated design effort** and served as subject matter expert for entire development team.
- **Technical Skills Used:** Java, JBoss, Hibernate, T-SQL, Sybase, Ant, Spring, jBPM, Mule, Castor, JUnit, Apache Axis, Apache Struts, EHCACHE, CruiseControl, SOA, SOAP, Linux, HP-UX, bash, Perforce, Eclipse, OOP, Data Modeling

VOYAGER BILLING AND RATING DEVELOPER/MANAGER

February 2001 – October 2004

- Engineering accomplishments:
 - **Developed and improved recurring charge engines and taxation engines**, Developed other **billing applications** using **C** and **C++** with **Sybase** ct-lib database API.
 - Ported multiple billing processes from a legacy 4/GL to **C++** and **T-SQL stored procedures**.
 - Developed and maintained **real-time call rating engines** which calculated toll, airtime, and data usage.
 - **Technical Skills Used:** C++, STL, T-SQL, Sybase, ksh, HP-UX, make, Cognos PowerHouse, Perl, Perforce, RCS, Emacs, OOP, OOAD, UML, CIBER, TAP (3.1), ASN.1, XML, XSLT, Brew
- Leadership accomplishments:
 - **Architected** solutions to product requirements as established by product management and internal consulting teams.
 - **Authored detailed specifications** for product

enhancements including conceptual and detailed design documentation.

- **Work delegation and assignment.**
- **Annual performance appraisals, salary adjustments, goal setting** for direct reports, and **mentoring.**

VOYAGER USER INTERFACE DEVELOPER

April 2000 – February 2001

Designed user interfaces for the **Voyager** online application using **Cognos Axiant/4GL** and **Sybase T-SQL**. Changes involved **all modules of the company's flagship** cellular billing, customer care, and point-of-sale application.

January 1997 – April 2000

SEAGATE (Formerly Quantum Corporation) Shrewsbury, MA

DESIGN ENGINEER II

- **Implemented industry-leading real-time servo control firmware** for the Atlas 10K II disk drive, working in a three-person team. Code was implemented on a **32 bit NEC V850 processor** in **assembly** and **C**.
- **Developed** in-drive testing software used during the manufacturing process, culminating with several visits to Japanese manufacturing facility.

May - December 1995
May - August 1996

DIGITAL EQUIPMENT CORPORATION Marlborough, MA
SOFTWARE QUALITY ASSURANCE ENGINEER (Co-op)

OPEN SOURCE CONTRIBUTIONS

BUZZBIRD TWITTER CLIENT <http://www.getbuzzbird.com>
Independently developed a Javascript/XUL based multi-platform desktop application for reading and posting tweets from multiple accounts. Uses **OAuth**, **JQuery**, and the **Twitter** and **Status.Net** APIs.

AVANT WINDOW NAVIGATOR <http://awn-project.org>
The Avant Window Navigator is a Mac OS X-like **dock application** for the **Linux** operating system. Developed three **Python** based applets (Weather, Clock/Calendar, and CPU Meter) for the dock.

TECHNICAL SUMMARY

JRuby, Rails, ActiveMerchant, Android, Twitter API, OAuth, Java, Hibernate, EJB3, JPA, Tapestry, Stripes, Spring, Javascript, JQuery, Prototype, Freemarker, Lucene, Sybase, Microsoft SQL Server, PostgreSQL, XUL, Python, Django, JBoss, Tomcat, Glassfish, Caucho Resin, T-SQL, Oracle, C++, C, POSIX Shell, UML, UNIX (Linux, HP-UX, Solaris, Mac OS X), SOA, SOAP, Web Services, Axis, Ant, Maven, XML, XPath, Perl, Perforce, PVCS, Subversion, Bazaar, Git, HTML, CSS, PowerHouse, Eclipse, IntelliJ IDEA, Emacs, Axiant/4GL, Assembly (Motorola 68K, NEC V850, Intel x86), OOP, MATLAB, CIBER, TAP

EDUCATION

WORCESTER POLYTECHNIC INSTITUTE Worcester, MA
Bachelor of Science in Electrical Engineering, Minor in Computer Science. GPA 3.4