

## RESUME

### Dmitry Stadnik

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### EDUCATION:

Graduated from the Electrotechnical University of St. Petersburg, Russia in 1999 with a bachelor's degree in mathematics with honor.  
Graduated from the Electrotechnical University of St. Petersburg, Russia in 2001 with a master's degree in computer science.

### LANGUAGES AND SYSTEMS:

C, C++, Objective-C, Cocoa, PhoneGap, iOS, Mac OS X: 2+ years of experience (several applications in AppStore, personal and written for respective clients; see <http://www.dimzzy.com/software/>)

Javascript, AJAX, DHTML, CSS: 3+ year of experience (web diagram editor, various projects)

Java, J2EE, JSP, Servlets, SQL, Eclipse, UML, EMF, GEF, Draw2D: 9+ years of experience (GMF, TogetherCC UML diagram editor, DSL Toolkit for Eclipse, e-commerce, SQLJet)

### OPEN SOURCE PROJECTS:

GMF (Graphical Modeling Framework): <http://www.eclipse.org/modeling/gmf/>  
I joined the project at early stage and actively participated in its design and implementation. Initial templates for generated code were mostly written by me and later I helped to migrate them to xPand. Primary sample project TaiPan that features GMF capabilities is written and maintained by me.

SQLJet (Java port of SQLite database): <http://www.sqljet.com/>, <http://code.google.com/p/sqljet/>

### WORK EXPERIENCE:

**September 2009 - now:** Independent software developer  
Writing iPhone/iPad applications for various companies.

**December 2001 - August 2009:** Sr. Java Developer, Team Lead, Borland Software Corporation  
Responsible for the development of:  
- Graphical Modeling Framework (<http://www.eclipse.org/modeling/gmf/>)  
- Together Control Center for Eclipse (<http://www.borland.com/us/products/together/index.html>)

2009: Leading development of the interactive web diagram editor based on SVG.  
At the moment GMF was capable of generating Java code for diagram editor in form of Eclipse plugin. I've created a prototype of diagram editor that works in a web browser and persuaded management to start work on this project. It was not complete due to the demise of Borland but has reached the significant milestone where the Javascript code was generated from EMF models and xPand templates, it was possible to edit diagram content and changes in the browser were processed by server. Project heavily uses Javascript, AJAX, SVG and DHTML to provide rich user experience. Server side includes Java servlet running in OSGi with Jetty and uses the same EMF models as Java editors generated by GMF.

2007 - 2009: Development of the DSL Toolkit.

DSL Toolkit is the next generation of Borland modeling solution where accent is made on design of domain specific languages (DSLs) and UML modeling plays the secondary role. One of the key components was GMF because it allows to design DSLs visually and it also is a basis of UML modeling tool. My role was to integrate GMF into DSL Toolkit and to provide commercial-grade UI components for GMF infrastructure. DSL Toolkit is a set of Eclipse plugins written in Java that rely on EMF, Draw2D and GEF frameworks.

2005 - 2008: Development of the GMF for Eclipse.

I had joined a team within Borland that was working on the new approach to develop graphical editors. The idea was to create a high-level description of a diagram content in form of EMF models and generate the appropriate code from it. Our efforts resulted in an open-source project at Eclipse that is used by numerous developers to add diagramming capabilities to their products. I maintain a committer status up to this day and is able to enhance the codebase in appropriate ways.

During my work on this project I was supervising for a year two junior developers hired by Borland. I was responsible for mentoring them so they adhere to the development policies established within a company (use VCS, bug tracker, document code appropriately), work effectively on the assigned tasks and deliver tangible results accordingly to the schedule. We used to have regular stand-up meetings, did performance evaluation and had planning sessions (often with head office in US).

2001 - 2007: Development and maintenance of UML diagram editor in TogetherCC.

For this period I was assigned to maintain the core component of the Together Control Center for Eclipse--a UML diagram editor. It was a big Java codebase in form of plugins for Eclipse that took care of user interaction, modeling constrains enforcement, automatic and algorithmic layouts, synchronization with changes in source code (Live Source technology) and many other features. I was also developing particular diagrams and features for UML diagrams like J2EE diagrams (in collaboration with SAP) and GoF patterns on class diagram.

**June 2000 - November 2001:** Java Developer, Neva Solutions

Developed several internal applications (E-Business Connector, BluePlanet Web Shop). Responsible for writing various parts of the J2EE applications and database design including stored procedures (Oracle, MySQL).

**June 1998 - June 2000:** System Administrator, various companies.

## **OTHER INTERESTS:**

2006 - now: Developing applications for Mac OS X and iOS

I switched to Mac in 2006 and use it at work and at home since then. I've learned Objective-C and Cocoa and started to write applications for Macs and later for Apple's mobile devices. As a registered iOS developer I have development certificates and have published several applications in AppStore.

2009: Contributing to SQLJet.

SQLJet is a pure Java implementation of the SQLite database, also an open source project. I have written a complete SQL parser for it using Antlr framework and also a database schema API.

## **PERSONAL:**

Citizenship: Russian Citizen

Born: July 23, 1978, St.Petersburg, Russia

English: fluent, Russian: native, Czech: conversational, Deutsch: beginner

I have permanent residence status in Czech Republic.