

Evgeny Gryaznov

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Location: Prague, Czech Republic

EDUCATION

MSc in Computer Science at St.Petersburg State University, Russia. Major: Software technologies (2005)

TECHNICAL SKILLS

Languages: Java, C#, C/C++, Groovy, Pascal, Assembler (x86, GNU)
Perl, PHP, Bash, JScript (WSH, ASP), Prolog, Haskell

Java: Eclipse: Core, EMF, GMF, JDT, oAW, JFace, QVT
Web: Tomcat, Servlets/JSP, JSTL, Struts, Hibernate, Tiles
Apache: ANT, Log4J, Velocity, Test Utils: JUnit

Technologies: Design Patterns, UML, OCL, XML: XSLT, XPath
Web: XHTML, CSS2, JavaScript, jQuery
Databases: MySQL, Postgres, SQL Server
Windows: .NET, MFC, ATL, ADO, GDI+, COM/DCOM, WSH
Parsing tools: lex, bison, Coco/R, LPG

Operating systems: OS X 10.4+, Windows 9x/2k/XP, Linux (Red Hat, Ubuntu)

CAREER HISTORY

Oct 2009 - Present

JetBrains, Prague, Czech Republic

Project: MPS - Meta Programming System, <http://www.jetbrains.com/mps/>

Position: Software Engineer

Environment: Java, IDEA Platform, Git, YouTrack

Responsibilities:

- System architecture: modeling core, synchronization and component dependencies
- Refactored MPS Generator to support incremental and parallel generation

Apr 2008 - Oct 2009

Borland Software Corporation, Prague, Czech Republic

Project: Together 2009, Domain-Specific Languages (DSL) toolkit

Position: Senior Developer (Eng IV)

Environment: Java, Eclipse Platform, EMF, GMF, SVN, LPG and Bugzilla

Responsibilities:

- Developed a tool to generate Textual Notation for arbitrary DSL (Borland TMF). Starting from an annotated metamodel the generator creates a parser definition, an AST, converter between text and XMI, and a full-featured eclipse text editor (semantic highlighting, outline, quick outline, error reporting, navigation, code completion, as-you-type validation, preferences and indenter).
- Created a form-editor to define metamodel annotations for TMF with a preview
- Generated a textual syntax for Ecore with customized highlighting and two internal metamodels
- Maintained already developed features in DSL Toolkit

Nov 2004 - Apr 2008

Borland Software Corporation, St.Petersburg, Russia

Project: Together 2008, Domain-Specific Languages (DSL) toolkit (Dec 2006 - Apr 2008)

Position: Senior Developer (Eng III)

Environment: Java, Eclipse Platform, EMF, GMF, SVN and Bugzilla

Responsibilities:

- Developed a form-based editor for DSL project structure

- Developed DSL Explorer view which replaces other navigators in DSL development
- Integrated all DSL Artifacts into one generation/validation workflow
- Created a generator for DSL UI Project (containing concrete perspective, project, actions to call transformations etc.)
- Introduced templates for composite multi-page editor combining GMF diagram with EMF tree editor

Project: Together for Eclipse 2006 (TEC) (Oct 2005 - Nov 2006)
Position: Senior Developer (Eng III)
Environment: Java, Eclipse Platform 3.2, PVCS Tracker 7.5, Starteam, JUnit, Velocity
Responsibilities:

- Worked on implementation of EDG-based C++ Source code subsystem
- Refactored Templates subsystem in Together for Eclipse to add multilanguage support
- Added C++/IDL templates and C++ GoF patterns into TEC and developed required UI

Project: Borland Delphi Studio 10.0, Together for VS.NET 3.0 (Nov 2004 - Sep 2005)
Position: Software Developer (Eng II)
Environment: C#, J#, Microsoft VS.NET 2003, Borland Delphi Studio and Starteam
Responsibilities:

- Developed a round-trip Modeling Source Code subsystem for Delphi language (in Delphi 10.0/2006)
- Integrated a Source Code subsystem into Borland Delphi Studio resources update system
- Developed C#/VB.NET/Delphi smart code formatters (format only updated part of code, for example after class drag-n-drop)
- Supported .NET attributes for C# and VB.NET in Source Code Engine
- Maintained C# 1.0 parser in Together for Visual Studio

Oct 2002 - Nov 2004

AKE, St.Petersburg, Russia (Astronautics Corp. of America, Milwaukee, Wisconsin)

Project: Electronic Flight Bag (EFB) for Boeing Company
Position: Software Developer
Description: EFB is an information system for Boeing aircrafts. Main features: displaying technical aircraft information for pilots, showing airport maps when landed, forwarding video from cameras to pilot displays.
Environment: Linux Kernels 2.5.* / 2.6, C/C++, Perl, JScript, SourceSafe, CVS, Merant, ADO and MS SQL Server

Responsibilities:

- Worked on linux kernel related SCRs and investigated linux kernel for potential problems
- Developed an intranet web-site for project progress tracking using ADO, ASP and MS SQL Server
- Designed and implemented a framework for tests run and coverage collection (Bash, Perl)
- Developed a database of tests and its front-end to coordinate team work
- Developed many tests of Linux kernel for the following subsystems: radeon, agp, virtual terminal, input, scheduler, interrupts mechanisms, etc.

PERSONALLY DEVELOPED SOFTWARE

Lexical Analyzer and Parser Generator (lapg) (Java) is a combined lexical analyzer and parser generator which converts a description for a context-free LALR(1) grammar into a source file to parse the grammar. (<http://textway.org/>)

Mibew Messenger (PHP, MySQL) is an open-source live support application which enables visitors of a website to chat with an operator and get help. (<http://mibew.org/>)

C# Uml Designer (2005, .NET, C#, diploma thesis) uses reverse engineering to build UML diagrams for C# project. It automates the displaying of connections between objects and provides convenient synchronization of code and diagrams. (<https://github.com/inspирer/uml-designer>)

SourceSafe plug-in for FAR file manager (2004, COM, C++) provides a possibility to perform all custom source control operations, such as copy, move and delete from FAR file manager.

JY (2002, C++) is an assembler and linker for x86 architecture.

Squirrel (2000, C++) Voicemail and caller identification for U.S. Robotics Sportster modem.

Chaos (1999-02, Assembler, C) Small micro-kernel multitasking operating system with task isolation.

ACHIEVEMENTS

Several diplomas at the St.Petersburg Scholar Olympiads in Physics and Computer Science

BIOGRAPHICAL DATA

Citizenship: Russia

Date and place of birth: 26th July 1983, St.Petersburg, RU

Permanent Residence in the Czech Republic (trvalý pobyt)

LANGUAGES

English, Czech, Russian