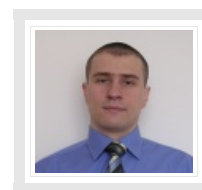


Personal Details

Name: Ivan Krechetov
Date of birth: November 16, 1979
Place of birth: Novosibirsk, Russia
Sex: male
Family status: married, 1 child
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Education

October 2005–September 2006

University of Twente. Enschede, The Netherlands. <http://trese.cs.utwente.nl/>.

Position: Ph.D Researcher

Subject: Aspectual Refactoring of Software Architectures

Summary: Research in the field of aspect-oriented software development – separation of concerns, architectural aspects, architectural styles, software architecture design process, formal evaluation and refactoring.

2001–2003

Novosibirsk State University. <http://www.nsu.ru>

Master's degree (*with honors*) in Applied Mathematics and Informatics

Department of Mechanics and Mathematics. Chair of Programming

Subject of research: *Effective RDBMS usage in an object-oriented application*

Teaching experience: Seminars, selected lectures and exams for the course “UML, The Unified Modeling Language”.

1996–2001

Novosibirsk State University. Bachelor's degree (*with honors, 100% excellent*)

Department of Mechanics and Mathematics. Chair of Programming

Subject of research: *Forming the object-oriented data structures tailor-made for the search tasks.*

Professional Experience

October 2003–present time

XIAG AG. Novosibirsk, Zürich.

Software development company. <http://www.xiag.ch>.

Position: Software architect, consultant

Responsibilities: Develop Web and desktop applications. Lead the software projects. Prepare technical project proposals for the customers and keep up the communication, analyze the requirements, make estimations, design architecture, manage human resources*, run interviews with job candidates*.

Most significant projects:

- Various **Web applications** (hotel booking modules for <http://www.engadin.stmoritz.ch>, custom e-shop <http://store.bruker-biospin.com>, application for employees' satisfaction surveys and reports, application for travel agency sales figures aggregation and reporting, FTP upload applet)

Roles: Developer, project leader

* Not anymore. Decided to cut administrative work in favor of technical one.

Technologies: PHP, PostgreSQL, HTML, CSS, MySQL, JavaScript, jQuery, Java, C#, ASP.NET, MS SQL Server

- **Photos Order Client.** *Over 10 000 of end-users.* Digital photo prints ordering application. Custom look, simple image enhancement, Web GUI integration into Win32 application (embedded browser), Web services and socket networking, writing orders to CD/DVD for posting by mail.

Role: Project leader, C++ developer

Technologies: C++, WTL/ATL, GDI+

Size: 3 developers, 9 months, ~2 MB of source code

April 2002–September 2003

Center of Financial Technologies. Novosibirsk. Software and hardware solutions for finance and banking. <http://www.cft.ru>.

Position: Programmer

Projects:

- **IBSO Platform.** Banking applications platform: proprietary object-oriented programming language translated to Oracle PL/SQL, business model designer, screen forms editor, access rights manager, user module and several utility applications

Technologies: Oracle Database, PL/SQL, Visual Basic, C++, COM+

Size: 5 developers, 10 years, dozens of megabytes of source code

Role: C++ and Visual Basic developer

Responsibilities: Maintenance of the existing IBSO modules, implementation of the new features (primarily GUI). Re-engineering, refactoring, integration of the new development concept into the “old” code. Analysis, design, prototyping and implementation of the generic persistence layer for the IBSO client modules

October 2001–March 2002

iNetLab. Novosibirsk. Software development company.

<http://www.inetlab.com>.

Position: Programmer

Projects:

- Seismic geophysics program for visual modeling and data processing (Java, Java2D, Swing)
- Maintenance of BeeKnown project – software that helps to increase the popularity of the web site through the automated submission of the site at various search engines (C++, ActiveX, Visual Basic, CGI)
- Integration of the credit card verification system and the wire transfer system into the on-line casino (Java, Java Servlets, SSL)

October 2000–September 2001

Auktion24 Development. Novosibirsk. Software development company

Position: Senior Programmer

Projects:

- **WeTellYou.com.** Global expert advice system. This is an Internet-based application meant to provide communication between people asking questions and giving answers by e-Mail, Chat and Telephone. In addition the site supplies IP-telephony and billing, WAP and PDA adaptations

Technologies: Java, Java Servlets (Apache JServ), XSLT, Oracle 8, RMI

Size: 20 developers, 1 year, ~2500 Java classes

Role: Java developer

Responsibilities: Creation of SQL-code generator, data objects development.

Development of ad-hoc tasks scheduler utilizing Java RMI, misc. software components design. Assistant system administration (Red Hat Linux)
March 2000–September 2000

Glance AG. Zürich, Switzerland. Software development company.

<http://www.glance.ch>

Position: Programmer

Projects:

- **ActiveFrame.** Framework for the development of common document flow applications. It engages a complex data management via object-oriented database

Technologies: C++, MFC, ODBC, SQL, Oracle 8

Size: 4 developers, 2 years, ~10 MB of source code

Role: C++ developer

Responsibilities: Applying the framework – Customer contacts management system. Working on the ActiveFrame components – Automatic code generator, Object-oriented database enhancements.

Other smaller projects:

- Miranda IM plug-in // Difference schemes for differential equations, Monte-Carlo methods, Genetic algorithms, Neural networks (C/C++, Pascal, Delphi) // Physical process modeling (ANSI C) // 3D graphics – Displaying the linear and quadric primitives (C++)

Skills

Basic

Profound knowledge of object-oriented analysis and design. Have a clear idea of the system architecture composition and the development process organization. Strong mathematical background. Literate writing in English and Russian, good communication skills. Always produce neat and well-documented source code.

Operating systems administration and usage

Linux (OpenSUSE, Ubuntu, Debian, Red Hat), Mac OS X

Operating system-level programming

MS Windows (Win32)

Application servers

Apache Web Server, Tomcat

Databases

PostgreSQL, MySQL, Oracle, MS SQL Server

Software languages

PHP, C++, Java, Ruby, SQL, Visual Basic, XML, XSL, HTML, CSS,

JavaScript

Development tools

Subversion, CVS, Git, Eclipse, NetBeans, pgAdmin III

Certificates



Transcript ID# at <http://www.brainbench.com> – 2377882

Publications

1. I. Krechetov et al. *Towards an Integrated Aspect-Oriented Modeling Approach for Software Architecture Design*. / 8th International Workshop on Aspect-Oriented Modeling at AOSD Conference, March 2006, Bonn, Germany.
2. I. Krechetov et al. *Initial Version of Aspect-Oriented Architecture Design Approach*. / AOSD-Europe NoE technical report D37, University of Twente, 2006, pp 1-57.
3. I. Krechetov. *Introduction of a Universal Persistence Layer for a Visual Basic Applications Suite*. / Abstracts of conference-and-contest of students, post-graduates and young scientists "Microsoft technologies in informatics and programming", Novosibirsk, 2005, pp. 77 - 78.
4. I. Krechetov. *The Automated Building of SQL Queries for an Object Data*. / IIS SBRAS Preprint, vol. 118, Novosibirsk, 2004, 27 p.
5. I. Krechetov. *Relational Data Storage Support in an Object-Oriented Application*. / Abstracts of international conference of young scientists "Mathematical modeling and information technologies", Novosibirsk, 2002, pp. 61 - 61.

References for Recommendations

Andreas Graf, CEO at

XIAG AG, Zürich, Switzerland

E-Mail: andreas.graf@xiag.ch. Phone: +41 43 255 30 92

Anatoly Lisovoy, head of Platform Department at

Center of Financial Technologies, Novosibirsk

E-Mail: A.Lisovoy@cft.ru. Phone: +7 383 336 49 49

Dr. A. G. Marchuk, director at

A.P. Ershov Institute of Informatics Systems, Novosibirsk.

E-Mail: mag@iis.nsk.su. Phone: +7 383 330 86 52

Paper recommendation letters from other sources are available upon request.

Spoken Languages

English (fluent)

Russian (native)

German (A2 – Start Deutsch 2 – certified by Goethe Institut)