

Sergey Mikhanov

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London, United Kingdom

objective

To build the great team, the great product and the great company

work

05/2011-present

Founder, Room (<http://weareroom.com>), *London*

Building a revolutionary product from scratch:

- Product conception, design and management
- Development of the core application functionality
- Research and analysis of product-market fit, strategic planning

Used technologies and software: Objective-C, Cocoa Touch, iOS

11/2010-04/2011

Senior Developer, Nomura International plc (<http://nomura.com>), *London*

As a member of Exchange Connectivity team was responsible for developing the Swiss Stock Exchange (SWX) connectivity component. Key component features:

- Used as a part of internally developed trading platform and maps state machine of the FIX protocol to SWX proprietary protocol
- Uses low-level data serialization and exchange techniques (shared memory over JNI, binary mapping of Java arrays to C structures, etc) for interacting with the SWX API
- Uses multithreading and memory management facilities of the trading platform for achieving required latency figures

Used technologies and software: Java, FIX protocol, SWX proprietary APIs

06/2006-11/2010

Software Architect, Kapsch CarrierCom AG (<http://kapschcarrier.com>), *Vienna*

Designed and developed Java framework for telecom applications, a suite of services based on it, and a web front-end for service management. Key framework features:

- Exposes plain Java components for building the telecom service logic
- Incorporates high-performance asynchronous database access layer on top of JDBC
- Demonstrates very low call processing latency and high throughput
- Tightly integrated with the J2EE-based backend and into company-wide build process
- Runs on top of JAIN SLEE application server and hides platform internals from the service developer
- Uses advanced memory management techniques to avoid performance loss due to GC

Used technologies and software: Java, JAIN SLEE (jNetX OCFS), J2EE EJB (JBoss), Spring, JSP/Servlets/Struts/Ext JS, JDO, XML/XSL technologies, SIP Servlets, SIP/SDP/VoiceXML

01/2005-04/2006

Software Engineer, jNetX, Inc (<http://jnetx.com>), *Moscow*

Designed and developed core Java network components of the telecom application server
Components features:

- Interact with the network using TCP and UDP sockets in multithreaded asynchronous environment
- Use custom storage engine based on Java NIO's buffers and B-trees for persistence
- Harmonize complex third party API with the network protocol finite state machines

Used technologies and software: Java, JAIN SLEE (jNetX OCFS), SIP Servlets, SIP/SDP/VoiceXML, IETF/3GPP/ETSI standards and APIs

08/2001-12/2004

Worked at Biblion (e-commerce company), and at E-Style Software House (software solutions provider) as a software engineer in the field of Enterprise Java and Microsoft .NET

education

09/1998-03/2004 **Moscow Aviation Institute (State Technical University), M.Sc. in Computer Science**

Department of Computer Science and Numerical Mathematics, Faculty of Applied Mathematics and Physics

Diploma project: "LIMA: Heterogeneous programming language with database and knowledgebase integration for Microsoft .NET"

awards

03/2005

2nd place in **Microsoft Imagine Cup 2005** software project contest (regional competition) and participation in East-European Semifinals of the competition in Thessaloniki, Greece

Project: "Maorie: Multi-Agent Ontology Relevance Interconnection Engine"

skills

Programming languages and technologies

Java (JAIN SLEE, J2EE, Spring, EJB, JSP/Servlets, JDBC, JDO), ORM frameworks (JPOX/Data Nucleus, Hibernate, NHibernate), Web frameworks (Wicket, Struts, Cocoon), C# (.NET platform 3.0, ASP.NET Web Services, ADO.NET), XML/XSL (DOM/SAX models), SQL, AJAX (HTML/CSS/JavaScript, jQuery & Ext JS frameworks), workflow tools (Maven, JUnit, Ant, Ivy, Quickcheck, NUnit)

Software engineering

Software development methodologies (agile methods, XP, Scrum, TDD), software architecture, design patterns, UML

referees

Dipl.-Ing. Hermann Schwarzinger, Head of JAIN SLEE Product Unit

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Prof. Valentin Zaytsev, Deputy Chief of the Computer Science Department

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