

# CURRICULUM VITAE



**DR. SERGE SHUMILOV**

DIPL.-MATH., DIPL.-INFORM., DR. RER. NAT.

**Private**

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**Birth Date and Place**

10.12.1973 in Yaroslavl, Russian Federation

**Citizenship**

Russian Federation, Permanent German Visa

**Family Status**

married, 2 children

## PROFESSIONAL EXPERIENCE

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December 2004 -  
to date

**Senior Research Fellow, team leader in the research group "Information systems"**  
at the Dept. of Computer Science III at Bonn University

- Participation in national and international multidisciplinary application-oriented research projects
  - "GLOWA Volta" project, 09.04-to date, Development of distributed service-oriented infrastructures for decision support, virtualization, integration and shared use of heterogeneous applications and data resources
  - "SkySynch" project, 09.2005-07.2006
- Responsible for team leading and coordination of projects
- Requirements engineering and communication with project partners
- Leading architectural design and software development
- Technology consulting
- Search for potential research areas, definition and acquisition of new projects
- Lectures, practical courses, seminars and other teaching activities related to the topics: "Relational databases", "Distributed information systems", "Service-oriented architectures", "GRID platforms"
- Supervision of graduate and post-graduate students
- Presentation of research work, publications in scientific journals and conference proceedings
- Expert's reporting and co-working for conference program committees and scientific journals

- August 2001 -  
December 2005
- Consultant/Analyst/Trainer** (freelance activities)  
by the *MB Data Research GmbH*, Bonn
- Consulting of industrial companies and scientific authorities in issues related to design and development of distributed information systems, architectures, requirements engineering and technology consulting
    - *Institute of Plant Genetics and Crop Plant Research, Gatersleben*, 04.2003-12.2005
    - *T-Mobile GmbH, Bonn*, 12.2001-07.2002
  - *Trainer and Co-author* of commercial training courses for project managers and software engineers of *T-Mobile GmbH, Deutsche Telekom*:
    - „CORBA“, 08.2001, 05.2001, 03.2002, (CORBA, J2EE, Web Services)
    - „J2EE and Databases“, 08.2004, 09.2004, (JDBC, JDO, Hibernate, EJB)
- April 1997 -  
December 2004
- Research Fellow** at the Dept. of Computer Science III at Bonn University
- Participation in national multidisciplinary research projects
    - SFB 350, project D4: "Object-Oriented GIS", 09.1999-05.2001
    - DFG projects "3D-Map", 04.1997-09.1999 and "OPALIS", 05.2001-04.2003
  - Working in interdisciplinary teams of natural and computer scientists
  - Requirements engineering, architecture design, development of software components
  - Co-authorship of project documentation, reports and proposals
  - Presentation of research work, publications in scientific journals and conference proceedings
  - Supervision of graduate students
- Mai 1996 -  
April 1997
- Software Engineer** at *Pangea Inc.*, Moscow, Russia, <http://www.pangea.ru/>
- Development of risks analysis and decision making software for oil and gas explorations
  - Responsible for requirements engineering and architecture design of a distributed geo-information system *NEDRA* (*Informix, ObjectStore, C++*)
  - Database design and implementation of a CORBA-based remote database access (*Informix, ObjectStore, CORBA, C++*)
- March 1993 -  
Mai 1996
- Software Engineer** (freelance activities)  
Employed in industrial projects with focus on software development and testing
- *DEC Inc. (Digital Equipment Corporation)*, USA, 09.1995-06.1996
  - *GTE Spacenet Inc.*, USA, 03.1993-09.1994
- November 1992 -  
October 1996
- Research Fellow** at the Institute for Problems of Informatics of Russian Academy of Sciences, Moscow, Russia
- Participation in national and international research projects
  - Research in the field of semantic interoperability and integration of data
  - Presentation of research work, publications in scientific journals and conference proceedings

## EDUCATION

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- April 2003     **PhD (Dr. rer. nat.) in Computer Science** (excellent),  
University of Bonn (Rheinische Friedrich-Wilhelms-Universität Bonn), Germany  
  
Thesis title: "Integrating existing Object-Oriented Databases with distributed Object Management Platforms" (in English)  
Prof. Dr. A.B. Cremers, Prof. Dr. M. Breunig
- September 1992 - **Diploma in Computer Science (M.Sc.)** (excellent),  
Mai 1994     M.V. Lomonosov Moscow State University, Moscow, Russia, Computer Academy  
  
*recommendation for postgraduate studies*
- September 1990 - **Diploma in Applied Mathematics (M.Sc.)** (excellent),  
June 1995     M.V. Lomonosov Moscow State University, Moscow, Russia  
  
Thema: "Ontology Specification Integrator Workbench Prototype" (in English)  
Prof. Dr. L.A. Kalinichenko, Prof. Dr. A.N. Tomilin

## VOCATIONAL TRAINING AND EDUCATION

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- October 2007     **Seminar "Train-the-Tutor"**, University of Bonn
- July 2006     **CoreGRID Summer School**, Bonn-Aachen International Center for Information Technology (B-IT), University of Bonn
- September 2005     **Seminar "Project Management"**, Siemens AG
- June 2003     **Seminar "Presentation Techniques, Scientific Writing"**, University of Bonn
- October 1997 - **Intensive Course of German Language** (DSH certificate), University of Bonn  
October 1998

## OTHER SKILLS/INTERESTS

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- Languages:     English and German (fluent in spoken and written),  
                  Russian (native)
- Driving licence:     Class B
- Professional societies:     Member of German society for Informatics (GI, Germany) and  
                                  Association for Computing Machinery (ACM, USA)
- Hobbies:     photography, diving (AOWD), walking, painting, guitar, computer hardware