



Dr. Sergey Vikharev

Age 37 y.o

Married (son and daughter). The family resides in Germany.

Job experience

2017 — now

Organization

Functions

Sr. Industry Consultant (transport & logistics, smart city, retail, banking)

Teradata. www.teradata.com

- Clients: Russian Railways, Moscow government, X5 Retail and several banks.
- Create new business value conceptions for customers to be a data-driven companies, develop big data solutions at mathematical level and support deploying.
- Develop new sought-after models and algorithms instead of only refer to the Teradata experience. E.g. for Russian Railways I developed 5 themes of digital transformation each of which with an income of several billion rubles annually.
- Working directly with Teradata account teams to develop effective client relationships with the key accounts in retail, transportation, utilities, manufacturing and banking.
- Provide direction on key areas of a customer business to target; based on experience within customer behavior and production predictive analytics and the use of data.
- Identify new business opportunities for analytical ecosystem solutions & services and write proposals and roadmaps that will match the key business requirements.
- Develop high level business requirements for business analytics, then shape these into detailed requirements for analytical ecosystem solutions & services including the data warehouse and data lake.
- Support the delivery of data and analytics consulting engagements as an industry SME helping to build business cases from insights, as well as carrying out knowledge and IP capture for reuse.

2004 — now

Organization

Functions

Leading Researcher

Ural Federal University, Department of Mathematics and Computer Science.

www.urfu.ru

- Conduct commercial scientific research in the fields of transport and the development of advanced materials.
- Research of operations and in particular decision support systems.
- Research tools include mathematical modeling, statistical analysis, optimization, machine learning and technical vision.
- Presentations at specialized international conferences (transportation and city infrastructure).
- Successful records of obtaining and leading large scientific grants. More than 10 years in a row I receive funding for research from various funds. Grants — 8, R&D — 14, papers — 64, patents — 23.

2008 — 2017

Deputy Director

Organization

Braincraft, consulting company.

The company provides services in Mathematical Modeling and Strategic Consulting. It develops dispatching systems and computer vision for transport.

Functions

- Building relationships with customers, make mathematical formalization of tasks, develop critical techniques and algorithms and then provide the control of automation and implementation.
- Managing team of more than 40 people: sales, analytics, developers, data scientists.

Projects for the transportation & smart city.

- Clients: 7 regions with a population of more than 20 million.
- Projects on city services improvement the analysis of passenger traffic, optimization of route networks, increase in profitability of transportations, improvement of organizational structures.
- Building mathematical models and supervise the development team.
- Managing implementations.
- Leading production of a cloud system for counting passengers by means of video data.

Projects for small business.

- Clients: 1000+ SMB legal entities in Russia
- Developed online services for small business technologies in the areas of credit services, migrant services, participation in tenders.

Projects for the health care institutions.

- Developed an automated system for assessing the lawsuit risks of clients,
- Built models for assessing the quality of transplant services, and performed a mathematical check on the effectiveness of new methods of treatment.
- Developed model of per capita financing and efficiency of medical services for the local authorities.

Projects for the energy companies.

- Designed a system for providing information exchange and integration of applied information systems located in control centers (dispatching centers) of a large energy holding.
- Developed and implemented in the pilot zones a distributed multi-level information management system.
- Developed an internal portal for HR-evaluation and recruitment.

2006—2008 **Director of the Department**

Company Center of Information and Financial Technologies,
Computer Security Department. www.cift.ru.

IT integrator

Functions Management of projects in information security.

2001—2006 **Project manager**

Company S&C IT integrator

Education

2018 Analytics at scale. Big data driving. San-Diego, USA.
Digital demand creation. Sevilla, Spain.

2017 Selling and Positioning Analytics Using RACE (Rapid Analytic Consulting
Engagement). Copenhagen, Denmark.

2010 Ph.D. in physics and mathematics.

2007—
2008 Mini-MBA, The Institute of Public Administration and Entrepreneurship.

1998—
2004 Ural Federal University, Department of Mathematics and Computer Sciences
Specialization: mathematics, computer security
Special trainings: CCNA, SQL Database Management, HTML, ITIL Foundation, C++,
PMBOK.