

VADIM IVLEV



software engineer & manager
experienced in writing robust
production software



+7 925 521 9632

vadim.ivlev@gmail.com

<https://www.zipped.space/vadim-ivlev-resume>

<https://www.linkedin.com/in/vadimivlev/>

<https://github.com/vadim-ivlev>



PROFILE

Software engineer experienced in writing robust production software. I have a broad successful experience in web-development, both client and server side, good at statistics, data analysis and algorithms. Experienced in building full text search engines deployed on clusters. Strong scientific background.

Good at coaching, technical leadership and direction to peers and colleagues and at presenting new ideas and solutions.

PRIORITIES

"Make things as simple as possible, but not simpler"

BACKGROUND

M.S. Physics, Mathematics, statistics, computational algorithms, quantum optics.

SPECIALITIES

Algorithms, databases, data analysis, UX, GUI, Natural Language Processing, machine learning, Management, Agile, XP, SCRUM.

TOOLS

LANGUAGES: Python, JavaScript, ES6, C, C#, Java, Prolog, ActionScript, SQL, HTML, CSS.

DATA: SQL, NoSQL, MySQL, Oracle, Firebase, MongoDB, Neo4J, ElasticSearch.

TECHNOLOGIES: Angular, Vue, Polymer, jQuery, Ext JS, D3, Flash, Flex, Bootstrap, UX, Mathematica....

SKILLS



EXPERIENCE

2015-present
Data architect. Consultant.
PSCF - PUBLIC SECTOR CREDIT SOLUTIONS.
San Francisco

The project provides a free online database of government revenue and expenditure data with default flags. Built on data from Reinhart and Rogoff, the Center for Financial Stability's Historical Financial Statistics, Eurostat, the IMF. Architected and implemented data layer (MongoDB, Mongolab) and API (DreamFactory).

2013-2017
Assistant director of Science and Technology
ELECTRONIC ARCHIVE CORP. Moscow
<http://www.elar.ru>

Managed projects and was responsible for design and implementation of:

- Memory of the people. <https://pamyat-naroda.ru/>. A clustered (40-node) database and a search engine executing 10,000 full-text searches per second on a volume of data in a billion records while simultaneously indexing 20,000 new documents per second.
- WW2 awards. <http://podvignaroda.mil.ru/>. Database of 100,000,000 scanned and indexed documents on rewards in the Great Patriotic War.
- Roads of war. Movement of parts of the Red Army during the Great Patriotic War. 10,000 scanned and recognized historical maps of the USSR General Staff tied to Google maps.
- WW1. Database 10,000 000 scanned and indexed personal files of soldiers and officers of the of the Great War.

2008-2013
Assistant Director - Senior Software Developer.

MOODY'S ANALYTICS UK LTD. London,
<http://www.moodyanalytics.com>

Designed and implemented parts of:

- Structured Finance Workstation, a web based cash flow and valuation solution for structured securities. As a result of this work more than four hundred new customers made requests about Moody's Structured Finance services.
- Performance Data Service, a web-based monitoring platform for conducting trend and performance analysis across the full spectrum of deals.
- Moody's Valuations service.
- Marketing site of Wall Street Analytics services.
- Wall Street analytics web-services SDK and Javascript libraries.

2002-2008
Chief Software Engineer

ELECTRONIC ARCHIVE CORP. Moscow
<http://www.elar.ru/>

Lead the project, architected data, middleware and client layers of

- Memorial. <http://www.obd-memorial.ru>. Documents about soldiers killed during the Second World War and subsequent conflicts (over 200 000 000 records, more than 40 Tb of scanned images in the storage). Thousands of people and organizations use the service daily.
- A free online inventory to the complete Comintern Archives (55,000,000 pages, 105 languages). The main customers are IDC Publisher (Netherlands) and Archidoc (Spain).
- General Catalogue of Russian State Library. (<http://www.rsl.ru/en>), Used by visitors and libraries subscribed to the service. The same role.

EDUCATION

Novosibirsk State University, Novosibirsk, Russia
Master of Science. Physics, 1983-1990

Novosibirsk Math And Physics College, Novosibirsk, Russia
Advanced courses in mathematics and physics.
1980 – 1983

EDUCATION ++

Programming paradigms. UPENN. University of Pennsylvania.
Python for Data Science and Machine Learning. Udemy
Data Science, Deep Learning. Udemy
Miracles of Human Language: An Introduction to Linguistics. Universiteit Leiden & Meertens instituut (KNAW).
Algorithmic Toolbox. University of California.

OPEN SOURCE

<http://inote.vadimivlev.com/>
<http://publicsectorcredit.org/sovdef/>

★ LANGUAGES

Russia ★★★★★★
English ★★★★★★
German ★★☆☆☆☆
Body language ★☆☆

