



# Ivan Volzhev

*Lead Software Engineer/Architect*

## Technologies

## Experience

Apr 2019–Present **Lead Software Engineer, EPAM Systems, Krakow.**

Working as Lead Software Engineer and later Team Lead for medical insurance company from USA.

My team was part of agile release train which was creating ETL system supporting complex user defined transformations including dependency-tree based mapping of properties of arbitrary paths across the tree. We have developed following subsystems:

- Module to support error reporting and managing retries, both automatic and manual. Source systems were able to send json describing action they attempted, result and set up the policy for retries. The module was to provide UI and backend to browse, correct and retry said actions.
- Module to verify correctness of data transfer between heterogeneous datastorages, with main focus on comparing millions of rows of data between MongoDB and RDBMS (Oracle, DB2 and Postgress) with ability to extend to other kinds of data sources and to configure details of which columns should and should not be compared.

Achievements:

- In cooperation with DevOps team aligned deployment of our components with the rest of the system. Made sure that Helm deployment works smoothly and is a one-button process.
- Made possible automatic import of OpenShift provided certificates into java truststore on pod startup with no root access. Enabling pod-to-pod end-to-end ssl encryption with zero configuration.
- During business trip to client's office obtained knowledge on system, get to know key persons in the release train and shared this knowledge and connections locally improving communication.
- Managed cross-team support crew to cover the gap in testing support during USA night hours.
- Organized retrospectives in the team to timely identify blockers and bottlenecks, and give recognition to the team for achievements.

Technologies: Rally, Confluence, Java, Spring, Docker, Kubernetes, Helm, MongoDB, gitlab, gitlab CI, Scala, gatling

Feb 2019–Mar 2019 **Contract Software Engineer, Akvelon, Kharkiv–Remote.**

While waiting for visa for EPAM Poland I joined Akvelon team in efforts to improve backend for instagram like platform focused on travels and stories.

Achievements:

- By client's request migrated data and datastorage to Elastic Search 5.6.0
- Introduced ES index and backend API changes to support geolocation in story in general and in particular frames of the story so story author can mark points of interests on the map.
- Implemented geolocation based search so users can find points of interests near them or particular location.
- Added backend support for newest iPhones allowing theme authors to optimize theme for particular aspect ratio.

Technologies: Hystrix, RxJava, Elasticsearch, Redis, Heroku

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- Jun 2017–Dec 2018 **Contract Software Engineer**, *Cool Company Skandinavien AB*, Malmö.  
 Scala spark geospatial processing engine.  
 Project description:  
 Achievements:  
  - some
  - another
- Jun 2016–Jun 2017 **Java Architect**, *Crossover*, Tivat–Remote.  
 Make tools for developers helping them to improve software quality, evaluate tech debt for software projects and build plans to deal with it.  
 Project description:  
 Achievements:  
  - some
  - another
- Aug 2014–Apr 2016 **Expert Software Engineer**, *TomTom*, Łódź.  
 Take a part in development of transactional map making system. My main responsibility was to improve performance of automated quality assurance process, Create approaches to properly analyze performance of this subsystem, improve performance of rules checking transaction before applying it to the map.  
 Project description:  
 Achievements:  
  - some
  - another
- Feb 2013–Jul 2014 **Senior Software Engineer**, *GlobalLogic*, Kyiv.  
 I was working in a team creating BMC MyIT product which is tool for automating IT support infrastructure including automation of processing service requests, assets management, appointments and knowledge bases.  
 Achievements:  
  - some
  - another
- Jul 2012–Dec 2012 **Software Architect**, *Extracode*, Kyiv.  
 My responsibility is to design and develop Azure based application on ASP.NET(C#) using MVC4 framework. The application is intended to collect data about gas trading from local divisions and process them according to laws and regulations. The application has to give full statistics to regulatory commission and also to support cash flow between gas traders.  
 Achievements:  
  - some
  - another
 Used technologies: Azure, Azure SQL Server, NHibernate, log4net, Autofac, MVC4, jQuery

Oct 2009–Jul 2012 **Senior Software Engineer, 4shared.com, Kyiv.**

4Shared.com is a widely used file-sharing service with millions of page impressions per day. During my employment on 4shared I was involved in a number of projects and tasks.

Project description:

Achievements:

- Assignment of subdomains for individual files
- Improvement of 4shared SOAP interface
- Development of inner usage statistics counters
- Integration of OAuth into SOAP and REST interfaces
- Improvement and maintenance of 4Shared Desktop package (Mac and Linux version)
- Development of mass email send subsystem for ads sending
- Development of username-based login system
- Integration of native unix tools to transform images and documents into previews in different formats
- Integration of open office to make .doc, .xls, and other formats previews.
- Download All (zip) and download selected (zip) functionality
- In addition, I took part in the development of b1.org website. I was working on collecting statistics, automatic selection of installation depending on client OS, and tracking of installations and uninstallations of b1 archiver.

Used technologies: Java, MySQL, hibernate, log4j, memcached, Redis, jQuery, tomcat, RESTful

Apr 2006–Apr 2009 **.NET Developer, Architect, TechnoInfoService, Kyiv.**

Development and design of several projects.

- Indoor Video Software system for management and demonstration of advertisements on screens in public places. e.g. supermarkets, restaurants, etc. System was divided into 3 parts - Video Player, Order Management system and an offline playlist management tool, that did not require a permanent internet connection..
- Equipment Inventory management system for electricity selling companies. The system recorded the whereabouts of electricity meters (whether they are installed at a customer's place or are stored in a warehouse) and their readings.
- Utility CRM system for electricity selling companies to manage private clients. The system implemented different models of direct and indirect payment calculation methods.

Used technologies: C#, WinForms, Microsoft SQL Server, Active X, Windows Media subsystem, DevExpress controls

2005–2006 **.NET Developer, Art-master, Kyiv.**

I took a part in state law enforcement records management system development. Oracle queries optimization, rtf templating engine.

Used technologies: C#, WinForms, Oracle

2003–2005 **PL/SQL Developer, UBIS, Kyiv.**

I took part in the development of railway ticket booking system for Ukrainian Railways. My responsibility was to create a system that could search existing trains, find suitable ones, book tickets according to business rules. In addition I took care of inter-system communications and increasing stability of applications server. Some parts of logic were written as PL/SQL stored procedures, others were in Delphi application server.

Used technologies: Delphi, Oracle, PL/SQL

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## Education

2000–2007 **Master Of Science, National Technical University of Ukraine 'Kyiv Polytechnic Institute', Kyiv.**

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## Languages

English	B2+	As assessed by in-house interview
Russian	Native	
Ukrainian	Native	learning
Polish	A2+	
German	A1	

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## Computer skills

category 1 XXX, YYY, ZZZ  
category 2 XXX, YYY, ZZZ  
category 3 XXX, YYY, ZZZ

category 4 XXX, YYY, ZZZ  
category 5 XXX, YYY, ZZZ  
category 6 XXX, YYY, ZZZ

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## Interests

Tourism Travelling to new exciting place is my long term passion which combines nice with next line  
Motorcycling, sailing, flying, skiing Various kinds of moving around are wonderful ways to spend vacation  
Computer games When not engaged in traveling I tend to spend time at home either playing games or  
Dancing Various dances, mostly lindy hop and blues last years.

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## References

### Category 1

- Person 1
- Person 2
- Person 3

### Category 2

Amongst others:  
○ Person 1, and  
○ Person 2  
(more upon request)

### All the rest & some more

*That* person, and **those** also (all available upon request).