

Pavlo Lissov, PhD

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A technically astute and enthusiastic software developer with more than 15 years of experience in C# .Net and strong mathematical background looking for a Senior developer or Technical Lead position.

I consider myself to be a bright and analytical person able to find an efficient solution for any complex problem. I have graduated from my country's top ranked University with Master's degree and have PhD in technical sciences.

TECHNICAL

Programming languages

- Senior: C#, TypeScript, JavaScript
- Middle: SQL, Delphi, HTML, F#
- Basic: Java, C++

Software tools: MS Visual Studio, TFS, Git

Technologies: Angular, .Net, Multithreading, WinForms, WPF, Web-services

Databases: MS SQL, Oracle

Methodologies: Agile, PRINCE2, Test Driven Development, Continuous Delivery, Unit Testing, SCRUM

Other

- Fluent English (IELTS band score 8.0)
- Intermediate German (B2)
- Austrian work and residence permit (Daueraufenthalt EU)

EDUCATION

PhD in technical sciences

2011

"Modeling complex for research of human hemodynamic under atmosphere pressure changes". Specialty 05.13.09 – medical and biological informatics and cybernetics.

PhD research was devoted to mathematical and software support for biophysics modeling. Have 10 publications in Ukrainian and international journals and conferences.

MSc in Applied Mathematics

2002 – 2008

National Technical University of Ukraine "Kyiv Polytechnic Institute", Faculty of Applied Mathematics

Kiev, Ukraine

- Master's degree, diploma "Research and development of methods for informative resources production in informative-communicative systems" (2008)
- Bachelor's degree, diploma "Development of informative system for Chess Federation of Ukraine"
- 13 publications in Ukrainian and international journals and conferences.
- 3rd place on Ukrainian state Mathematic Olympiad (2003)

Certifications

Microsoft Certified Professional: Microsoft .Net Framework – Application Developer Foundation. 2008

Microsoft Certified: Azure AI Engineer Associate. 2020

PRINCE2 Foundation and Practitioner 2020



**International Atomic Energy Agency (United Nations)
Software developer, Technical Lead***October 2013 – now*

The primary role of the IAEA Safeguards Department is to administer and implement IAEA Safeguards. It also contributes to nuclear arms control and disarmament, by responding to requests for verification and other technical assistance associated with related agreements and arrangements.

I joined IAEA as a developer in CDMS team (Containment Data Management System) of Safeguards IT department in 2013, later moving to FAR (Field Activity Report) team. In 2015 was assigned as a Tech Lead of the team. Our software enables IAEA inspectors to report their activities and process the information in headquarters as well as in the field. My responsibilities:

- Managing a team of 5 to 12 developers, setting up development process and practices (Git, code review, continuous delivery with automated builds, testing and deployment).
- Technical architecture and design, preparation of documents, estimations, project planning.
- Business analysis together with BA team.
- Development of backend services on C# (WCF, Entity Framework, MSMQ etc.).
- Development of database (MS SQL), optimisation and troubleshooting.
- Development of desktop (C#, WPF) and web (HTML5, Ember.js, Angular 12) clients.

**Bwin.Party digital entertainment (Austria)
Software developer***September 2012 – October 2013*

Bwin.Party is one of the world leading betting and online entertainment platforms. Bookmakers department offered both individual betting and B2B services for odds.

I worked in DONAU team in Sports IT, Core Trading Services. The project was responsible for realtime calculation of probabilities and odds for different sports (I worked on tennis, soccer, American football and basketball). My responsibilities:

- Implementation of sports models with F# and C#.
- Models' optimization for high performance.
- Creation of tools for testing and monitoring (C#, WPF, SQL).
- Investigation of production problems.

**Institute of Software Systems
National Science Academy of Ukraine
Engineer-programmer***March 2004 – August 2012*

Institute of Software Systems was formerly a part of Cybernetics Institute (one of the most successful IT institutions in USSR) and now is one of the leading state research institutions.

I joined Institute in March 2004 while being a student for a team that does a research in a field of human physiology, mainly studying cardiovascular system and connected systems under environmental stress. I am the leading software developer in a team, also responsible for some physiological areas.

- I performed scientific research regarding mathematical modelling, resulting in **PhD** in technical sciences and 10 scientific publications.
- I was responsible for full lifecycle of software complex that provides a platform for simulations using interconnected mathematical models.
- Software complex was implemented on C# 3.5 using WPF with Visual Studio 2008.
- Software demanded memory and speed optimisations with lots of parallel computations.
- Created the software for multithreaded simulations on supercomputer with 10 CPUs (C++, MPICH).
- Invented some tricks for simulations optimization and created special views for results representation.

Senior C#.Net developer

Luxoft is one of the biggest software companies in Western Europe that provides outsourcing services for major international corporations, one of them is UBS Investment Bank.

I joined company in March 2009 for a project SABRE - Swaps accounting system for Equities IT department. SABRE is responsible for cashflows calculation after trading activities. Project has N-tier architecture: DB (Oracle), GUI (C#), Server (Java), Calculation Engine (C#). I was mostly responsible for GUI and Engine development. Engine is the real-time highly-transactional system that does all financial calculations.

- Client side delivered using WinForms with Visual Studio 2008. (MVVM, WinForms, WPF, multithreading).
- Calculation Engine incorporates highly robust and scalable domain-driven, object-oriented design for being able to process all global trading activities for Investment bank.
- Responsible for development of custom data presentation controls and mechanisms.
- Code developed with focus on efficient usage of design patterns.
- Developed and enhanced stored procedures for data access and reports building on Oracle 10g, later moving to 11g.
- Supported full development lifecycle from requirements gathering through design, development, multiple levels of testing, up to deployment.
- Work was performed in SCRUM teams in close cooperation with business-analysts, developers and testers from England, USA and India.

Metasoft (De Novo from January 2009)**October 2006 – February 2009****C# developer, Team Leader**

Metasoft was a privately owned company that developed custom solutions for Ukrainian customers. Was annexed by DeNovo in January 2009.

I joined Metasoft in October 2006 for a project "Metaclinic" that was developing information management system for hospitals. After project completion in 2007 I worked 2 month in a project for one of Ukrainian financial authorities before project "MSRetail" started. MSRetail is a retail banking system developed for CreditPromBank – one of middle-size retail Ukrainian banks. Metaclinic and MSRetail shared mostly the same technologies.

- Client side was delivered on Windows Forms with wide usage of DevExpress using MS Visual Studio 2005.
- Software was fully modelled on UML using Rational Rose and code was generated using specially developed generation tool. Code was basically working, only custom logic and data representation had to be implemented separately.
- Leading a team up to 4 developers.
- Workflow engine was created for support of banking operations. It included custom LISP-like scripting language. I was responsible for interpreter development for it.
- Did some server-side coding on Java using Eclipse.
- Firstly MS SQL was used, then we did move to Oracle.
- Developed document management subsystem.
- Test-driven development was used with tests in NUnit and MS Visual studio 2005.
- For MSRetail internet-client was created using ASP .Net.

For "Unis-Info": (June-August 2007)

- GUI was delivered on C++ MFC.
- I was responsible for development and debug of cryptography algorithms.

Software developer

Style-S Regions is a major TV advertising company that manages all ads on several Ukrainian national TV channels, including “UT-1”, “Inter”, “Novy”.

I started with existing software and fully redeveloped it to make it more robust and meet new functional requirements. Software is used for advertisement airing on regional networks of TV channels serviced by Style-S. Advertisement is aired at the same time for all country-wide network, but contents depend on region. Software I developed consisted of the following parts: planning application to schedule specific ads blocks for regions and application that streams video according to schedule.

- I was responsible for gathering and documenting of technical requirements, project planning.
- Distributed software for blocks planning, compilation and airing was implemented on Delphi using Sockets and Windows Forms.
- Special software unit was created for controlling external video airing hardware using C++ (COM-port interactions, audio analysis).
- Installation and user training.
- Production support.
- At the moment I left the project it was successfully installed and working on UT-1 network and handed over to another developer for support. Development of technical requirements, project planning.