SORIN-PAUL OSTAFIEV

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senior software engineer • team leader • software architect • system analyst
creative • technology addict • entrepreneur • freelancer • science enthusiast

Experience

Expert ICT/Lead Developer   March 2014 - Present
European Centre for Disease Prevention and Control (ECDC) - ecdc.europa.eu

ECDC is an EU agency aimed at strengthening Europe's defences against infectious diseases. Its mission is to identify, assess and communicate current and emerging threats to human health posed by infectious diseases. Its mission is to identify, assess and communicate current and emerging threats to human health posed by infectious diseases.

I work in the ICT unit and lead the daily activities of the .Net development team, a team of max. 7 (up to 5 developers, one BI expert and one tester). I act the role of lead developer, solution architect, Scrum master and release manager for the team. I'm responsible for leading the team through all aspects of the software development lifecycle in order to deliver high quality software solutions as defined in the ECDC's ICT service catalogue.

Together we're dealing with about 7 projects:

- **Surveillance Atlas of Infectious Diseases** - atlas.ecdc.europa.eu - A web-based tool for easy access to European infectious disease surveillance data. It aims at improving availability and accessibility of data, providing it in a user-friendly way (maps, diagrams, time series, distributions and tables).

- **TESSy** - tessy.ecdc.europa.eu - The European Surveillance System (TESSy) is a highly flexible metadata-driven system for collection, validation, cleaning, analysis and dissemination of data. Its mission is to strengthen European surveillance in order to reinforce detection, prevention and control of infectious diseases in Europe.

- **EWRS** - ewrs.ecdc.europa.eu - Early Warning and Response System (EWRS) is a critical rapid alerting system linking the Commission, ECDC, several agencies (EFSA, ECHA, EMA, Environment DG and WHO/Europe) and public authorities in Member States responsible for risk assessment and risk management of communicable diseases threats as well as other serious border health threats from chemical, biological and environmental origin.

- **Flu News Europe** - www.flunewseurope.org - Joint ECDC–WHO weekly influenza update. A weekly influenza surveillance report containing a clinical and virological overview of the current week and of the season.

- **Eurosurveillance** - www.eurosurveillance.org - An European peer-reviewed scientific journal devoted to the epidemiology, surveillance, prevention and control of communicable diseases, with a focus on such topics that are of relevance to Europe.

- **EU LabServe** - eulabserve.ecdc.europa.eu - An EU laboratory directory of microbiological testing services in the EU.

- **HelicsWin.Net** - A desktop application used for manual entry of data collected during the ECDC point prevalence survey (PPS) of healthcare-associated infections (HAI) and antimicrobial use in acute care hospitals.

The systems we are building are fully supported by the Microsoft technology stack so we're talking C#, ASP.NET, MVC, IIS, .Net Framework, WCF, AD, ADFS, SQL Server, T-SQL, Reporting Services, HTML, CSS, Javascript, jQuery, XML, TFS, Visual Studio, etc..

I'm providing technical leadership and I'm facilitating the team's work by ensuring impediments are cleared out and the agile process is kept consistent. I'm involved in system analysis, architecture definition and choosing the development approach. I'm also responsible to oversee the development efforts, to keep the team focused and to work closely with them to ensure proper implementation.

I ensure high quality delivery standards by ensuring best practices are followed regarding code implementation, documentation, testing, security and packaging. I'm also responsible for providing 3rd level support for the assigned products, documenting and developing short-term and/or long-term solutions.

Last but not least, I contribute to the implementation of "one ICT team" by advising on process improvements, by linking together business stakeholders with the team and by advocating and building outstanding and collaborative relations with the clients.

Founder   April 2013 - February 2014
Softesy - www.softesy.com

projects in which I was involved within the company:

○ **TESSy** - tessy.ecdc.europa.eu
(contract, *client:* ECDC / European Dynamics - ecdc.europa.eu / www.eurodyn.com; ongoing project, team of 6 to 9 people; ASP.NET, C#, MS SQL Server 2008, .NET Framework 4.0, IIS 7, Active Directory, Web services, Windows services, Windows Communication Foundation (WCF), SQL Server Reporting Services, jQuery, HTML, CSS, JavaScript, XML, TFS)
The European Surveillance System (TESSy) is a highly flexible metadata-driven system for collection, validation, cleaning, analysis and dissemination of data. Its key aim is to provide the basis for high quality data analysis and interpretation to provide evidence for public health action. All EU Member States and EEA countries report data on communicable diseases as described in Decision No 2119/98/EC to the system.
I was involved in multiple areas within the TESSy project (e.g. Reporting, Data warehouse, Molecular surveillance service, Data upload web service, etc..) and performed various tasks, from gathering requirements from internal stakeholders, designing and implementing new functionalities to bug fixing and deploying modules for testing.

○ **PHE supporting apps**
(contract, *client:* ECDC / European Dynamics - ecdc.europa.eu / www.eurodyn.com; less than a month, individual work; iOS, Objective-C, Xcode, iOS UI design)
Newsstand-type suite of three apps developed for iPhone and iPad to allow ECDC's PHE-MT (Public Health Event - Management Team) easy access to supporting documentation related to the avian influenza A(H7N9) public health event (PHE), China, April 2013.
The solution consisted of three iOS applications that were connecting to the ECDC's servers and were allowing the users to read (and download for later reading) the appropriate documents in a friendly and easy-to-use user interface. The content of the apps was updated by the EOC (Emergency Operation Center) team on a daily basis.
The three developed apps were:
   - **Exec-Sum** (Executive summary - updated every day at 17:00)
   - **PHE-MT** (Agenda and minutes of PHE Management Team - updated twice a day)
   - **RT-Rep** (Round table report - updated daily at 12:30)
I was responsible for everything related to the project from idea to implementation and deployment into the ECDC's environment. The feedback received from the Management Team (including ECDC's Director and the Heads of Units) was extremely positive.
This is the first mobile solution rolled out in ECDC.
Better interconnected systems that are making information more accessible is a safe assumption when discussing future trends in IT; the tremendous feedback received for these apps validated once again this vision: customers are demanding simpler methods of accessing information, they want it presented in fresh new ways, they want it fast and they want it accessible from anywhere.

○ **Trillific** - softesy.com/trillific
(*company own project*; one month, individual work; Android OS - v3.0, from API 11/Honeycomb, Java, Eclipse, Android UI design, XML, Subversion)
Trillific is a free Android app which produces sounds based on the phone's movement. The application is detecting the phone's movement by using the phone's built-in accelerometer and it is generating sounds with different tonalities based on how fast the phone is moved.
I was responsible for everything related to the Trillific project from idea to conception.

Co-founder   March 2005 - April 2013
Bitground Software - www.bitground.com

projects in which I was involved within the company:

- **Silent Mode** - silentmo.de
  (*company own project*; 2 months, individual work; Android OS - v2.2, from API 8/Froyo, Java, Eclipse, Android UI design, XML, Subversion)

  Silent Mode is a free Android application that will allow turning your phone on silent mode for a period of time. When you silence your phone by using the volume buttons you'll be able to tell when the ringer should be back on.

  I was responsible for the entire software lifecycle of the project, including business strategy, market analysis, functional and technical analysis, design and software development, graphical design, develop the showcase website, usability tests, user accessibility testing and submitting the product to the Google Play Store.

- **Eurosurveillance** - www.eurosurveillance.org
  (contract, *client:* ECDC / European Dynamics - ecdc.europa.eu / www.eurodyn.com; 2 months, team of 2 people; ASP.NET, C#, MS SQL Server 2008, .NET Framework 4.0, IIS 7, Active Directory, jQuery, HTML, CSS, JavaScript, XML, TFS)

  Eurosurveillance is a European peer-reviewed scientific journal devoted to the epidemiology, surveillance, prevention and control of communicable diseases, with a focus on such topics that are of relevance to Europe. It is a weekly online journal, published every Thursday, and features short rapid communications, longer in-depth research articles, surveillance and outbreak reports, reviews and perspective papers, as well as short news items.

  I was responsible for fixing issues in the existing web application, implementing additional functionalities for the next version of the application, deploy it in the testing environment and create deployment packages for the backoffice team.

- **HelicsWin.Net**
  (contract, *client:* ECDC / European Dynamics - ecdc.europa.eu / www.eurodyn.com; 6 months, individual work; C# and VB.NET, MS Access database, .NET Framework 4.0, TFS)

  HelicsWin.Net is a tool developed for manual entry of data collected during the ECDC (European Centre for Diseases Prevention and Control - ecdc.europa.eu) Point Prevalence Survey of healthcare-associated infections and antimicrobial use in acute care hospitals.

  I was responsible for completely rewriting the existing application, developing the new version and migrating the existing data. I was also responsible for analyzing, designing and implementing additional functionalities to the project, export the data for The European Surveillance System (TESSy - tessy.ecdc.europa.eu) and create packages to be distributed for installation to the acute care hospitals. The application is installed in thousands of hospitals across Europe and it helps those collecting data for antimicrobial resistance and healthcare-associated infections. I was responsible for developing new versions of the application which are take care of upgrading the already installed databases, provide solutions to merge existing databases at hospital and national level and implement local data analysis and reporting functionality.

  Currently the scope of the application got widen over EU borders and the application can now be freely downloaded from ECDC's website by any hospital in the world that would need a neat solution to collect antimicrobial resistance and healthcare-associated infections data.

- **Time management**
  (contract, *client:* ECDC / European Dynamics - ecdc.europa.eu / www.eurodyn.com; 2 months, individual work; ASP.NET, C#, MS SQL Server 2008, .NET Framework 4.0, IIS 7, Active Directory, jQuery, Telerik ASP.NET AJAX, HTML, CSS, JavaScript, Windows services, TFS)

  The time management application is a tool used internally in the organization to track the time and budget spent on IT projects. It was developed in order to improve compliance with new EU ICT project accounting regulations.

  I was responsible for developing the application, testing and deploying it.

- **Walnote** - www.walnote.com
  (*company own project*; 6 months, individual work; ASP.NET, C#, .NET Framework 4.0, zkBox, IIS 7, HTML, CSS, jQuery, AJAX, JavaScript, Web services, Subversion)

  Walnote is a tool designed to store perfectly safe your notes online. It's a fast, reliable and secure client application, running in the user's browser, built on top of zkBox.

  I was responsible for everything related to the Walnote product from idea to conception. Responsible for the business strategy, market analysis, technical analysis, design, development, testing and deployment.

- **zkBox** - www.zkbox.com
  (*company own project*; 12 months, individual work; ASP.NET, C#, MS SQL Server 2008, .NET Framework 4.0, Amazon Web Services, IIS 7, XML, HTML, CSS, jQuery, AJAX, JavaScript, Windows services, Web services, SOAP, Subversion)
  zkBox stands for "Zero-Knowledge Box" and it's a distributed service featuring a Zero-Knowledge authentication mechanism on top of a Host-Proof storage solution designed to hold completely secure, reliable and anonymously your highly sensitive data.
  The service is approaching in a different way the concept of handling user's private data: the data is stored in encrypted form using the user's private key that it's never sent to the server. In this way not even the zkBox staff is able to read the user's data.
  zkBox can be deployed in various scenarios for public or private usage; the public hosted installation from api.zkbox.com is running in the Amazon cloud being highly scalable and having the data reliable stored by using the Amazon Web Services.
  I was responsible for everything related to the zkBox product from idea to conception. Responsible for the business strategy, market analysis, technical analysis, design, development, testing and deployment in a high availability setup.

- **EWRS** - ewrs.ecdc.europa.eu
  (contract, *client:* ECDC / European Dynamics - ecdc.europa.eu / www.eurodyn.com; 24 months, team of 2 people; ASP.NET, C#, MS SQL Server 2008, .NET Framework 4.0, IIS 7, Active Directory, Clustering, jQuery, Mobile, XML, XSL, HTML, CSS, JavaScript, TFS)
  Early Warning and Response System (EWRS) is a part of the network for the epidemiological surveillance and control of communicable diseases. The system allows for immediate exchange of views on risk assessment and risk management crucial for timely public health action. The system is used in the context of communicable diseases threats and it is a web-based system linking the Commission, the public health authorities in Member States responsible for measures to control communicable diseases and the European Centre for Diseases Prevention and Control (ECDC - ecdc.europa.eu). At a later stage the system was extended to cover also biological, chemical and environmental threats.
  I was responsible for fixing the bugs in the old application version, designing and implementing new functionalities and launching the application. Afterwards, I was responsible for maintaining it and performing additional developments. This includes testing the application in the test environment, promptly identify potential issues (and provide solutions for them), perform database tuning or prepare additional deployment environments. I was also responsible for designing and developing the version for mobile devices, writing technical and support documentation, developing the administering module and porting the application to the newer technologies. Also responsible for designing the application for enterprise environment, conducting the deployments in production together with the ICT team in a high availability setup and preparing training material for end users.
  My contribution to the successful launch of the system and its seamless operation enabled the fulfillment of one of ECDC's core mandates.

- **Teamness** - www.teamness.com
  (*company own project*; 9 months, team of 2 people; ASP.NET, C#, MS SQL Server 2005, IIS 6, .NET Framework 3.5, XML, XSL, HTML, CSS, jQuery, AJAX, JavaScript, Windows services, Subversion)
  Teamness is a highly interactive web application intended to help teams organize projects data and share it with colleagues and clients. Some of the main features are: assign tasks and attach messages to them, manage and share files and whiteboards, set milestones correlated with tasks, create groups to gather similar data, use RSS feeds to watch project's activities, invite clients to watch the progress, customize the look and feel of the private space, multi-lingual interface.
  I was responsible for everything related to the Teamness product from idea to conception. Involved in the business strategy, market analysis, technical analysis, design, development, testing and deployment.

- **Newsberry** - www.newsberry.com
  (contract, *client:* Wildbit - www.wildbit.com; 4 months, team of 3 people; ASP.NET, C#, MS SQL Server 2005, IIS 6, .NET Framework 2.0, XML, XSL, AJAX, Windows services, Web services, CVS)
  Newsberry is a web-based email marketing system built for individuals and companies. It allows anyone to easily create and send highly targeted and professional looking email campaigns to large subscriber lists. The system features robust reporting, subscriber management, scheduling, content management, and effective deliverability tools.
  Responsible with analysis, feature proposals, design, developments and launching the application (it was about 60% done when involved).

- **Xyleme Server**
  (contract, *client:* Xyleme - www.xyleme.com; more than 10 people; Linux, C/C++, Java, Corba, Bugzilla)
  We were involved, along with an international team, in developments for the version 3.5 of Xyleme Server. The product is a distributed XML database solution that is used by enterprise costumers all over the world. Our work was mainly comprised of a dump and reload module, Tibco Rendezvous and Tibco EMS dispatchers.

Software Design Engineer   February 2004 - March 2005
Team Code - www.teamcode.net

projects in which I was involved within the company:

- **CBTnet**
  (about 250 days man, team of 2 people, Windows XP, MS IIS 5, MS SQL Server 2000, ASP.NET, C#, VSS)
  We developed a web-based solution for managing students and various information related to them. Application is used in classes from schools spread across USA featuring administration and student examinations.

- **ALICS**
  (about 200 days man, team of 2 to 3 people, Windows XP, MS SQL Server 2000, Visual Studio .NET, C#, Crystal Reports, VSS)
  We developed a complete inventory control system. Application is used in warehouses featuring purchase orders, users and items management.

Software Design Engineer   April 2000 - February 2004
Softwin - www.softwin.ro

projects in which I was involved within the company:

- **DGPAG**
  (about 1100 days man, team of 6 to 8 people, Windows 2000 Server, MS IIS 5, MS SQL Server 7, FoxPro, MS Visual Studio .NET, C#, Crystal Reports, VSS)
  We developed a complete prisoner's management system that is handling everything related to prisoners and penitentiaries in Romania including physical details, health status, family visits and activity, juridical status, remaining duty time and transfers across penitentiaries. The application is used in all penitentiaries all over the country using a three tier design including locally installed web applications (to allow functioning even without Internet connectivity) and distributed databases with merge replication to the central node in Bucharest.

- **MIS**
  (about 900 days man, team of 5 to 6 people, Windows 2000 Server, Visual C++, MFC, DirectX, VSS)
  We developed an application used to provide training to air traffic controllers. The application is similar to a multiplayer game over the network having rich graphics (e.g. simulate radar maps), networking communication in client-server architecture (e.g. to synchronize the participants in the training), voice communication (e.g. to simulate radio communication - broadcast or point to point), maps editor, exercise recording and playback for afterwards analysis (including voice) plus many other functionalities.

- **Hearst**
  (about 500 days man, team of 1 to 3 people, Visual C++, MFC, Acrobat SDK, MS SQL Server, VSS)
  We developed an application designed to provide semi-automatic data extracting from PDF files representing electronic catalogs and insert data into database featuring users and document management.

- **xPanda**
  (about 800 days man, team of 2 to 4 people, Visual C++, MFC, Perl, Acrobat SDK, VSS)
  We developed an application designed to provide automatic document conversion from PDF files to an internal XML with CSS file. Then, through some Perl scripts, those files can be converted to OEB 1.0, XML (custom DTD) or various versions of HTML.

- **AirGTI**
  (about 1200 days man, team of 3 to 5 people, Visual C++, MFC, VSS)
  We developed a database modeling system using SGML technology for a large application for Boeing. Access to SGML databases though ODBC (SFQL driver - compatible SQL).

- **TwinTerm**
  (about 100 days man, team of 1 to 2 people, Visual C++, MFC)
  Implementation of a telnet passive terminal in a C++ application (TCP/IP, IPX/SPX and Direct Connection communication) for a Prologue server.

Teaching Assistant   Spring 2003, Spring 2002

"Politehnica University" of Bucharest, Computer Science Faculty, for "Real Time Systems Programming". Professor: Adina Magda Florea

Various older individual projects

- **Using genetic algorithms for problem-solving through evolution and co-evolution**
  Master thesis, Summer 2003 - www.ostafiev.com/education

- **Fast Intranet searching**
  Diploma project, Summer 2002 - www.ostafiev.com/education

- **Intranet File Sharing** - www.ostafiev.com/ifs
  (about 200 days man, individual work, Visual C++, MFC, ISAPI and MS SQL Server.)
  I developed a complete suite for locating resources in a local area network featuring high speed information retrieval, providing tools for indexing and storing information into database, an ISAPI filter for data retrieval, browser integration, administration of the system and statistics and monitoring tools.

- **ImgEdit**
  This is an image processing application. ImgEdit is a pluggable application, very extensible, featuring color adjustment, operations between two images, various filters, image rotation and many more.

Most of my older projects are located at www.ostafiev.com/oldprojects

Open source projects

- **srp4net** - code.google.com/p/srp4net
  srp4net is a library that implements the SRP authentication protocol (a secure password-based authentication and key-exchange protocol) for a Javascript client against a C# web service.

Technical and managerial skills

- experience in enterprise applications and databases design (high availability and high reliability scenarios of applications and databases, clustered databases, web farms)
- advanced knowledge and experience in building secure systems
- experience in working with critical systems
- experience in distributed computing and cloud design architectures
- experience in designing scalable cluster aware applications, distributed applications and service oriented architectures
- experience in database administration, maintenance, fine-tuning, profiling and optimization (e.g. Microsoft SQL Management Studio, Microsoft SQL Profiler, RedGate SQL Data Compare)
- advanced experience in profiling, debugging and troubleshooting applications in live environments
- experience in developing for mobile devices (phones and tablets) including web and native applications (Android and iOS)
- advanced experience in OOP analysis/design/programming
- experience in preparing additional application environments (for testing or simulation purposes)
- experience in deploying applications into the production environments together with the supporting staff
- experience in performing code review and analysis
- network administration (Windows, Linux, Novell)
- experience in creating and maintaining support documentation
- testing tools (Microsoft Application Center Test, WCAT, JUnit)
- methodologies (agile, scrum, waterfall, RUP, incremental, MSF)
- experience, deep knowledge and understanding of the Scrum development framework (Professional Scrum Master certified - PSM I)
- advanced knowledge of enterprise architecture frameworks (TOGAF 9 Foundation certified)
- modeling languages (UML) and tools (Enterprise Architect, Microsoft Visio, Rational Rose)
- deep knowledge of IT service management (ITIL 2011 Foundation certified)
- ability to deliver quick and accurate under high pressure (multiple honors and awards at regional, national and international competitions of programming)
- analytical thinking (experience with existing data models, infrastructure and technical architectures)
- experience in complete lifecycle product implementation (e.g. analyzing, implementing and deploying systems from scratch to go live)
- team leader for various teams (up to 7)
- out of the box thinking and big picture understanding
- general business knowledge and experience (e.g. opportunity research, understanding customers' needs, identify potential development niches, pitching to executives)
- experience in working with surveillance and hospital data collection systems
- experience in working with healthcare related metadata sets
- experience in working abroad in an international multicultural team (in the EU public environment and also in the private sector)
- lengthy experience in working in the public health sector (ECDC – an EU agency aimed at strengthening Europe's defences against infectious diseases)
- knowledge of epidemiology and experience in working with epidemiologist business owners
- deep knowledge of theory of algorithms, cryptography, data mining and knowledge discovery, neural networks, fuzzy systems and genetic algorithms
- graphical design tools (Adobe Photoshop, Adobe Illustrator)
- office tools (Microsoft Outlook/Word/Excel/PowerPoint/Access/Visio)
- training skills (e.g. teaching assistant at the "Politehnica University" of Bucharest, Computer Science Faculty)
- promote technology standards and best practices
- presentation skills (e.g. able to explain IT to executives)
- multidisciplinary, multitasking and easy to adapt (e.g. experience in many areas of IT, involved in big and small systems, working on different operating systems, having different roles, able to

do a feasibility study for a potential project but also able to design a graphical asset, write an unit test or configure a network device)
- marketing experience (e.g. SEO experience, define, track and measure campaigns)

Computer skills

- programming languages (C#, C/C++, VB.NET, Java, Objective-C, PHP, Perl, Python, Pascal)
- development environments (Visual Studio .Net, Eclipse, Xcode, Visual C++, Borland C++, GNU C)
- operating systems (Windows (all versions), Linux, Android OS, OS X, iOS, SunOS, MS-DOS)
- web development (ASP.NET, MVC, JavaScript, Web services, SharePoint, PHP, Perl, CGI)
- web servers (Microsoft IIS 6/7/8, Apache)
- web design (HTML, CSS)
- desktop development (Windows Forms)
- development for mobile devices (for smartphones and tablets: Android and iOS)
- scripting (Windows PowerShell, MS-DOS and Linux shell scripting)
- databases (T-SQL - MS SQL Server 2000/2005/2008/2012, MySQL, PostgreSQL, PL/SQL, MS Access)
- Microsoft Business Intelligence solutions (SSIS, SSRS)
- reporting (Microsoft Reports, SQL Server reporting services, Seagate Crystal Reports, Google Chart Tools)
- protocols (HTTP, SNMP, SMTP, POP3, IMAP)
- technologies (.NET Framework 2.0/3.0/3.5/4.0/4,5, LINQ, Entity Framework, ActiveX, ATL, Active directory, Cocoa)
- communication (WCF, SOAP, REST, JSON, XML, XSL, Ajax, TCP/IP, sockets, COM, Corba)
- libraries and APIs (jQuery, Telerik ASP.NET AJAX, Android SDK, STL, MFC, OleDb, ADO, Windows GUI and SDK, Acrobat SDK, zkBox, DirectX, OpenGL, Tibco)
- cloud computing design (Amazon Web Services: Amazon Simple DB, Amazon S3, Amazon EC2, SQS, Amazon CloudFront, IAM, VPC)
- issue tracking tools (Microsoft Team Foundation Server - TFS, Bugzilla)
- source control systems (Microsoft Team Foundation Server - TFS, Microsoft Visual Source Safe - VSS, Subversion, CVS, Mercurial)

Certifications

- **Developing Innovative Ideas for New Companies: The First Step in Entrepreneurship**
  Coursera Verified Certificates, License DLGJ7J2FPF, April 2014
  https://www.coursera.org/signature/certificate/DLGJ7J2FPF
- **Epidemiology: The Basic Science of Public Health**
  Coursera Verified Certificates, License CFV6NGBZXS, April 2014
  https://www.coursera.org/signature/certificate/CFV6NGBZXS
- **Foundations of Business Strategy**
  Coursera, March 2014
  http://www.ostafiev.com/certifications/2014-foundations-of-business-strategy.png
- **ITIL Foundation Certificate in IT Service Management**
  EXIN, License 4847285, September 2013
  https://www.axelos.com/successful-candidates-register
- **Professional Scrum Master I**
  Scrum.org, September 2013
  https://www.scrum.org/Assessments/Certification-Lists?AssessmentName=PSM%20I
- **TOGAF 9 Foundation**
  The Open Group, License 74150, May 2013
  http://togaf9-cert.opengroup.org/printpdf/certificate/74150

Education

- **Master of Science** - summer 2003, from the "Politehnica University" of Bucharest, Faculty of Computer Science ("Advanced Computer Architecture" specialization)
  Duration: 1 year (fall 2002 - summer 2003)
- **Bachelor of Science** - summer 2002, from the "Politehnica University" of Bucharest, Faculty of Computer Science ("Application Software Systems and Artificial Intelligence" specialization)
  Duration: 5 years university (fall 1997 - summer 2002)
- **Baccalaureate** - summer 1997, from the National College "Vasile Alecsandri", Galati, Informatics department
  Duration: 4 years high-school (fall 1993 - summer 1997)
- **Compulsory education** - summer 1993, from the School no. 38, "Grigore Moisil", Galati
  Duration: 8 years elementary school (fall 1985 - summer 1993)

Honours and awards

- **University** (fall 1997 - summer 2002)

  1998 - participation - regional selection for Association for Computing Machinery (ACM)

- **High school** (fall 1993 - summer 1997)

  1997 - 2nd prize - National Competition of Programming (Timisoara)

  1997 - participation - selection for the International Olympiad in Informatics (IOI)

  1997 - qualified among the twenty finalists (3rd place) of the 5th Edition of International Competition in the Programming (ICP)

  1996 - 2nd place - National Competition of Programming (Suceava)

  1996 - participation - selection for the International Olympiad in Informatics (IOI)

  1996 - 1st place - National Competition of the Winners of the National Competition of Programming and Special Prize for the best solution of the problems (Cluj-Napoca)

  1996 - 1st place - Regional Competition of Programming (Braila)

  1996 - 3rd prize - Regional Scientific Communications Session "Saptamana liceului" (Galati)

  1996 - mention - Regional Scientific Session "Open-Info at National College Vasile Alecsandri" (Galati)

  1995 - 2nd prize - National Competition of Programming (Slatina)

  1995 - 2nd prize - Interregional Scientific Communications Session "Anghel Rugina" (Vaslui)

  1995 - 1st prize - Regional Competition of Programming "Saptamana liceului" (Galati)

  1995 - 3rd prize - Regional Scientific Communications Session "Saptamana liceului" (Galati)

  1995 - participation - selection for Eastern Europe Competition of Programming (Focsani)

  1994 - 3rd prize - National Competition of Programming (Craiova)

  1994 - 1st place - National Competition of Programming "Marele premiu al Palatului Copiilor" (Bucuresti)

  1994 - 1st prize - Regional Competition of Programming (Braila)

  1994 - 2nd prize - Scientific Communications Session (Braila)

  1994 - mention - National Competition of Programming (Buciumeni)

  1993 - participation - National Math Competition (Constanta)

- **Elementary school** (fall 1985 - summer 1993)

  1993 - 2nd place (mention) - National Competition of Programming (Navodari)

  1992 - 1st place - National Competition of Programming (Navodari)

Miscellaneous

- Languages
  - Romanian: Mother tongue
  - English: Fluent
  - Swedish: Intermediate
  - French: Basic

- Interests: Distributed computing, Highly available and scalable systems, Theory of Algorithms, Cryptography, Data Mining and Knowledge Discovery, Genetic Algorithms, Human Computer Interaction, Astrophysics, Quantum mechanics

- Driving license: Holder of a current Romanian **B** class unrestricted driver's license

- Hobbies: photography, skating, skiing, chess, computers, driving, music, cars, reading, swimming