

PERSONAL INFORMATION

Vasile-Florian PĂIȘ, PhD



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📅 Date of birth 30 April 1983 | 🇷🇴 Nationality Romanian

WORK EXPERIENCE

2018 – Present

Research Scientist in Artificial Intelligence

National Institute for Artificial Intelligence "Mihai Drăgănescu", Romanian Academy

- Current position: Senior Researcher II
- Participation in national and international research projects: CoRoLa, Reterom, Marcell, Presidency, Curlicat
- Development of the RELATE text processing platform
- Development of Romanian word embeddings, named entities recognition system
- Author of scientific research papers
- Participation at scientific conferences and workshops

2004 – 2018

Research Scientist

National Institute for Laser, Plasma and Radiation Physics (INFLPR)

- Participation in national and international research projects
- Implementation of videoconferencing and remote participation system for plasma fusion experiments (using H.323, VRVS, VNC, MDSPLUS)
- Development of application modules using C/C++, Java
- Portal implementation and development for fusion research, using JBoss Application Server, Shibboleth, PHP modules, C++ modules, communication with a large hardware cluster for interactive plasma simulations
- Project director for one of the projects in the international programme EURATOM
- Development of web platform for schools: IBEST "Inquiry based education in science and technology"
- Author of scientific research papers
- Participation at scientific conferences and workshops

2017 – 2018

Trainer

Absolute School

- Teaching computer programming: PHP, JavaScript, HTML, CSS

2018 – 2021

Senior application developer

DXC Technology

- Java based application development: JBoss ESB, Wildfly, JSF, JSP, Java Web Services
- Java micro services on Amazon Cloud: Docker, Thorntail, Quarkus
- Advanced web server monitoring in micro-services context: Docker commands, SumoLogic
- Communication with Oracle databases, advanced queries
- Using team software: Jenkins, Confluence, Skype for Business, Microsoft Teams

2009 – 2017

Software engineer

Essential Systems, Cloud Research Studio, I-Claims



- Development of Artificial Intelligence modules for Natural Language Processing
- Parallel programming using CUDA for nVidia GPUs
- Application modules using C/C++, C#, PHP, JavaScript, HTML, CSS
- Research project Director "Sistem inovativ bazat pe inteligenta artificiala pentru gestionarea si evaluarea daunelor si necesarului de reparatii din domeniul asigurarilor auto - ISAIA"
- Solution and application architecture design
- Development using Big Data databases like MongoDB
- Using team software: Gforge, Redmine, Skype
- Development of communication enabled applications using Web Services and custom protocols in C# and PHP
- Adaptation of INTEMA platform developed at Essential Systems / Cloud Research Studio for auto insurance industry

2017 – 2018 IT Security Consultant

SC RED TEAM ANALYTX SRL

- participating in creating audit plans for IT security
- applying specific methods for auditing: questionnaire, discussions, documentation analysis, performing network tests
- identification of specific problems related to network equipments
- using hardware and software tools for testing network security
- audit reports and recommendations

2016 – 2017 IT Security Consultant

SC INTELSECO SRL

- participating in creating audit plans for IT security
- applying specific methods for auditing: questionnaire, discussions, documentation analysis, performing network tests
- identification of specific problems related to network equipments
- using hardware and software tools for testing network security
- audit reports and recommendations

2009 – 2019 Owner

SC ENKISOFT SYSTEMS SRL

- Software development using C/C++, C#, PHP, Java

EDUCATION AND TRAINING**2015–2020 PhD - Thesis Title: "Contributions to semantic processing of texts; Identification of entities and relations between textual units; Case study on Romanian language"**

School of Advanced Studies of the Romanian Academy (SCOSAAR), Romania

PhD thesis defense on 09.12.2019, PhD title awarded in 2020.

- natural language processing pipelines
- word embeddings representations
- named entity recognition and relation extraction
- large corpora processing
- applications on Romanian language

2006–2008 Master of Science in E-Business - Thesis Title: Using web services for business communication"

The Faculty of Economic Cybernetics, Statistics and Informatics, Bucharest University of Economic Studies, Romania

- building and using modern business applications
- web services in business to business (B2B) applications

2001–2006 Bachelor in Computer Science and Information Technology

The Faculty of Automatic Control and Computers, University Politehnica of Bucharest, Romania

- 1997–2001 **High school diploma**
"C.A. Rosetti" High School, Informatics specialty, Bucharest, Romania
- 2001 **Certificate "Advanced French Language"**
Ministry of Education
- 2001 **Professional Certificate in Informatics**
Ministry of Education
- 2002 **CISCO Certified Network Associate (CCNA)**
CISCO
- 2013 **French language certificate**
Politehnica University of Bucharest
- 2004 **Course CISCO CCNP Advanced Routing**
CISCO Networking Academy
- 2005 **Course CISCO CCNP Remote Access**
CISCO Networking Academy
- 2005 **Exam CISCO CCNP BCRAN Building CISCO Remote Access Networks**
CISCO
- 2005 **Course ORACLE Academic Initiative**
ORACLE & University Politehnica of Bucharest
- 2012 **Certification SailLabs LMT - Language Model Toolkit & MMS Administration**
SailLabs
- 2015 **Certification VMWare VSP 5.5**
VMware
- 2015 **Certification VMWare VTSP 5.5**
VMWare
- 2015 **Trainer Certificate**
Extreme Training, certified by Ministry of Education



PERSONAL SKILLS

Mother tongue Romanian

Other languages

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C2	C2	C2	C2	C2
French	C1	C1	C1	C1	B2

Levels: A1 and A2: Basic user – B1 and B2: Independent user – C1 and C2: Proficient user
Common European Framework of Reference for Languages

Communication skills

- team work: I have worked in various types of teams from research teams to developers teams.
- inter-cultural skills: I am experienced at working in an European dimension, such as teams comprising people of different nationalities and presenting my work at conferences and workshops, while trying to make it understandable to as many individuals as possible.

Organisational / managerial skills

- I am accustomed to different team management technologies, including project management, video-conferencing, task allocation applications.
- while working in both public research and private businesses I coordinated different projects.

Digital competences

SELF-ASSESSMENT				
Information Processing	Communication	Content creation	Safety	Problem solving
Proficient user	Proficient user	Proficient user	Proficient user	Proficient user

Digital competences - Self-assessment grid

Computer skills

- Operating systems: Microsoft Windows, Linux
- Programming languages: Java, C/C++, C#, JavaScript, PHP, Python, HTML/XHTML, CSS, XML, XSL, WDSL.
- Relational databases: Oracle, MySQL, Microsoft SQL Server, PostgreSQL
- Non-relational databases: MongoDB, Redis, Cassandra
- Network security
- Competent with most Microsoft Office programmes
- Experience using LaTeX for scientific publications

Other skills

Love to travel and experience different cultures.

Driving licence

B

