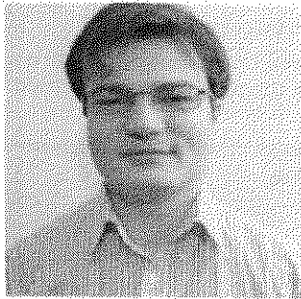


Patrik Emanuel Mezö

PhD, Software Engineer, Researcher



📍 Timisoara, Bd. Dambovita, Nr. 65, Ap. 2, Romania
☎ 0040 720 254 315 📠 0040 771 773 973
✉ patrik.mezo@yahoo.com
📞 skype: patrik_mezo

Date of birth 31/03/1985

About

I am a computer software engineer, with background knowledge acquired from many projects, ranging from hardware to high OS software development.

With an experience of 8 years of software development, I can quickly adapt to any workplace. I am also interested in research activities, where activities implies learning and developing new skills. Three major stages define my career development in computer domain: high OS project development, embedded programming and the experience achieved during the three years of my PhD researching. During my years of developing software programs and architecture, I achieved enough experience to handle any stage of a project.

In my personal opinion, the programming skills come second, after developing a good architecture foundation knowledge, on which the code can be developed and extended, providing at the same time QOS and good performance.

Work Experience

Nov. 2010 – present

Software Developer – Embedded Systems

In my role as software developer for embedded systems I got familiar with the 4th and 7th ARM architecture, in particular I have studied the ARM7TDMI (LPC2368 - Philips) and Cortex M3 (LPC1769 - Philips) processors.

My responsibility was to design and write custom software according to customer needs. By designing the software, I have learned how to write compact, modular and reusable code for other future projects.

Through the 5 years of embedded software I have achieved experience by handling projects involving communication protocols between modules (Rs232 and Rs485), industrial printer protocols, handling lcd displays, keyboard layout, flash memories and providing bootloader for firmwares.

Jun. 2007 – Nov. 2010

Software Developer – Windows Object Oriented Environment

The foundation of my programming skills were set by the object oriented environment. I have gained my programming experience by programming in Delphi (Codegear).

My main responsibility was to develop custom touch screen applications for clients on demand. I have worked on developing and extending visual components for touch screen interfaces.

An achievement in this period was the development of a custom database application with fully integration with known solutions such as MySQL or Oracle.

Education

Nov. 2009 – Feb. 2013

Ph.D. Thesis in Computer Science

Title: Distributed Mailing Systems

“Politehnica” University of Timisoara, Romania

2004 – 2009

Bachelor of Computer Science

“Politehnica” University of Timisoara, Romania

- Embedded HW/SW
- Integrated circuits
- Processors architectures

2000 – 2004

High School - Major Informatics

“Constantin Diaconovici Loga” Timisoara, Romania

Personal Skills

Mother tongue(s)

Romanian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
German	C1	C1	C1	C1	B2
English	C1	C1	C1	C1	C1

Levels: A1/2: Basic user - B1/2: Independent user - C1/2 Proficient user
Common European Framework of Reference for Languages

- Communication skills
- Good communication skills gained through my experience and understanding of customer needs to successfully fulfil requests.
 - Team player through working with colleagues from Germany in achieving our goals.
 - Intercultural skills by attending multi-national conferences when researching my PhD Thesis.
- Programming skills
- C embedded programming
- Experienced with SPI, RS232, RS485, USB
 - Programmed LCD displays
 - Developed storing algorithm for FLASH drives
 - Adapted boot loader firmware for the existing device
 - Integrated USB module into existing firmware
 - Experienced with RTOS.
- Object oriented programming with Delphi
- Worked with wireless transmitters/receivers, traffic lights, remote display
 - Client/Server concepts
 - Programmed applications for touch panels
- Basic knowledge with C++ and Java.
- Driving licence
- A, B
- Hobbies
- I enjoy playing the guitar and reading on new technologies.
- Publications
- **P. E. Mezo**, M. Vladutiu and L. Prodan, "Design of a Hierarchical based DHT Overlay P2P routing Algorithm", 11th IEEE International Conference on Computer and Information Technology, Paphos, Cyprus, Aug. 2011, pp. 415 – 420, ISBN: 978-1-4577-0383-6 (BDI, IEEE rank).
 - **P. E. Mezo**, M. Vladutiu and L. Prodan, "Interoperability solution between Peer-to-Peer and Client-Server based mailing systems", 2011 IEEE 17th International Symposium for Design and Technology in Electronic Packaging (SIITME), Timisoara, Romania, Oct. 2011, pp. 45 – 48, ISBN: 978-1-4577-1276-0. (BDI, IEEE rank).
 - **P. E. Mezo**, M. Vladutiu and L. Prodan, "Distributed Mailing System (DMS)", 2011 IEEE 17th International Symposium for Design and Technology in Electronic Packaging (SIITME), Timisoara, Romania, Oct. 2011, pp. 349 – 354, ISBN: 978-1-4577-1277-7. (BDI, IEEE rank).
 - **P. E. Mezo**, M. Vladutiu and L. Prodan, "HMail: A hybrid mailing system based on the collaboration between traditional and Peer-to-Peer mailing architectures", 2012 IEEE 7th International Symposium on Applied Intelligence and Informatics (SACI), Timisoara, Romania, May. 2012, pp. 255 – 260, ISBN: 978-1-4673-1014-7. (BDI, IEEE, Australian Research Council list class C rank).
 - **P. E. Mezo**, M. Vladutiu, L. Prodan and F. Opritoiu, "DMail: Distributed mailing system based on the collaboration between traditional and Peer-to-Peer mailing architectures", 2012 International Conference on Information Engineering, Lecture Notes In Information Technology, Vol. 25, Singapore, Singapore, Jun. 27-28, pp. 128 -135, ISBN: 978-1-61275-024-8. (Ei Compendex, Cambridge Scientific Abstracts, Google Scholar, IEE, ISI rank).