

## Iurie Nistor

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## Experience

**Senior Software Engineer**, Graebert GmbH, Full-time, Contract, Remote (Nov 2020 – Present)

Involved in the development of CAD desktop solutions.

- API design and development
- Fix issues and bugs reported by clients
- Code reviews
- C++, API design, Qt, GUI, CAD, Windows, Linux

**Senior Software Engineer**, Arobs, Chisinau, Moldova. Full time, On-Site (October 2019 – Nov 2020)

Engaged in an embedded automotive project.

- Maintained a system service running on an embedded OS which implements Android Auto and CarPlay connectivity
- Fixed bugs and implemented new features.
- Collaborated with other technical teams for project planning and implementation.
- Mentored other engineers involved in the project. Code reviews.
- C, C++, system service programming, Linux, and Windows.

**Senior Software Engineer**, IPE Technologies, Cambridgeshire, United Kingdom, Full time, On-Site (Apr 2018 – Jul 2019)

Involved in the development of a system for automating broadcast studios.

- Developed new features for a desktop GUI application.
- Implemented GUI logic elements for various date-time/zone conversions for an event designer and scheduler
- Designed and implemented a protocol for communication between the desktop app and embedded devices running in a distributed networking.
- Designed and implemented a REST API for user management.
- C++, Qt, TCP & UDP, HTTP, network programming, multithreading, system services, daemons, Git/Gerrit, Jenkins

**Senior Software Engineer**, Arobs Transilvania Software, Chisinau, Moldova. Full time, On-Site (Dec 2015 – Mar 2018)

Worked on projects in the field of embedded automotive and automotive infotainment.

- Designed and implemented the SOME/IP protocol over netmap for IPC, API, and the daemon
- Maintained system services from Adaptive AUTOSAR
- Maintained a system installer and a crash reporting daemon
- C++, Qt, API, Linux, IPC, SOME/IP, Multithreading, Adaptive AUTOSAR, Git/Gerrit, Jenkins, memory leak, coredump and trace analysis

**Software Engineer**, POPFAX, Chisinau, Republic of Moldova. Full time, On-Site (Jul 2013 – Dec 2015)

Responsible for maintenance and development of web services for online faxing.

- Implemented new functionality for the web services and desktop clients.
- Maintenance and bugfixing
- C++, Web Services, Server side programming, client-server, GUI, Qt, HTTP, SOAP, multithreading, MySQL, SQLite

**Web Developer**, Self-employed, Chisinau, Moldova (Oct 2009 – Jul 2013)

For various clients developed web applications and offered services for maintenance of web applications (HTML, CSS, PHP, JavaScript, MySQL, WordPress, various CMS, HTTP, LAMP, GNU/Linux).

**Scientific Researcher**, The Institute of Applied Physics of Academy of Sciences of Moldova, The Laboratory for Photoelectric Properties of Semiconductors, Chisinau, Republic of Moldova (May 2005 – Jul 2013)

Main activity was research in Physics, Optics of Semiconductors and Spectroscopy. Here also developed programs in C, C++ & Qt for automation of scientific measurements and visualization of spectroscopy. Developed a desktop application that works with a photon counting system.

## Studies

**Master of Physics**, Faculty of Physics and Informatics, Moldova State University, Chisinau, Republic of Moldova.

**Licensed Engineer**, Faculty of Computers, Informatics and Microelectronics, Technical University of Moldova, Chisinau, Moldova. Specialization: Microelectronics & Communication.

**Baccalaureate**, College of Microelectronics and Computer Science, Chisinau, Republic of Moldova.

## Main skills & experience

- C++, C
- Design and development of API
- Multithreading and asynchronous programming
- System programming, development of system services, daemons, middle-ware
- Network programming, client-server applications, web services
- GUI development (Qt, XLib, WinAPI)
- Inter-process communication
- Real-time audio programming (synthesizers)
- Versioning control (Git, SVN)
- GCC, VS, Embedded, Debugging, CMake
- Mathematics, Physics, Researches

## Languages

English (fluent), Romanian (native), Russian (fluent)