

Oleksii Serdiuk

Personal data

Full name: **Oleksii Serdiuk**

Date of birth: **05.01.1986**

Place of birth: **Kyiv, Ukraine**

Marital status: **married**

Contact info:

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Highlights

C++/Qt developer, Certified Qt Developer, **Certified Qt Specialist**, Qt Ambassador¹, **Open Source developer** (<https://github.com/leppa>), **fluent spoken and written English**.

Education

National Technical University of Ukraine “Kyiv Polytechnic Institute”

Faculty of **Informatics and Computer Engineering**

Department of **Computer-aided Management and Data Processing Systems**

2007 – 2009 **Specialist² Degree**

Specialization: **Information Control Systems and Technologies**

Qualification: **Analyst of Computer Systems**

2003 – 2007 **Bachelor Degree**

Specialization: **Computer Science**

Work experience

Software Engineer at Barco Control Rooms GmbH (Saarbrücken, Germany)

Oct 2012 – present Development of software for bedside multimedia terminals (Linux based) for hospitals using Qt 5 framework.

SW Engineer, UI at Nokia GmbH (Ulm, Germany)

Jun 2011 – Sep 2012 Participation in the Mobile Phones R&D Project (Linux based mobile platform) using Qt 5 framework.

C++/Qt Developer at WP2P Dalarna HB (Kyiv, Ukraine; Borlänge, Sweden)

Oct 2009 – Feb 2011 Development of WP2P Client for a new data transfer protocol using C++ and Qt 4 framework.

PHP Developer at IYDRO Webagressive Design Studio (Kyiv, Ukraine)

¹ Qt Ambassador Program is no longer active.

² In Ukrainian education system, after getting Bachelor Degree (typically, 4 years) you can continue either with Specialist (1,5 years) or Master (2 years) education. This degree is similar to Engineer Degree in Europe or Diplom-Ingenieur in Germany.

Sep 2008 – Oct 2009 Development of web sites using PHP, MySQL and AJAX.

PHP Developer at “Tochka” Web-Studio (Kyiv, Ukraine)

Nov 2007 – Sep 2008 Development of web sites using PHP and MySQL.

Engineer of technical support services at LLC “Telesystems of Ukraine” (Kyiv, Ukraine)

Dec 2005 – Nov 2007 Technical phone support of ADSL Internet customers.

Languages

- **Ukrainian, Russian** – native speaker
- **English** – fluent (**IELTS General 7.0** as of 24.07.2009)
- **German** – basic (**Goethe Zertifikat A2** as of 28.03.2014)

Skills

- programming languages: **C++**, **Delphi**, **Pascal**
- solid knowledge of **Qt Framework**, **QML (Qt Quick)**
- good knowledge of **SQL**, **regular expressions**, **doxygen**, **Debian packaging**
- knowledge of **Qt Creator**, **Visual Studio**, **git**, **svn** (Subversion), **JavaScript**, **HTML**, **XML**
- some knowledge of **Microsoft Visual C#**, **Microsoft VBA** (Visual Basic for Applications)
- **Windows**, **Linux** (Gentoo, Kubuntu), **FreeBSD** – administrator level

Experience

At Barco Control Rooms GmbH

- Participation in the development of client side application for bedside multimedia terminals that are used in hospitals for patient entertainment.
- Participation in the development of C++ QML plugins for:
 - **CouchDB** integration;
 - **SFLphone** integration;
 - **PulseAudio** integration;
 - integration of hardware specific interfaces (receiving events from hardware buttons and card readers, controlling backlight, etc.).
- Making some customizations and bug fixes to **Maliit** framework.
- Creating and maintaining Debian packages for the client application and its dependencies.
- Backporting Debian packages from newer versions of Ubuntu to Ubuntu Precise (12.04).
- Primary technologies: **C++**, **Qt 5**, **QML**.

At Nokia GmbH

- Participation in the creation of **early prototypes of some of the applications**.
- **Development of UI components** that had to be used in a wide number of applications.
- Components performance analysis and optimization, identification of problematic areas and reporting issues to developers of underlying components.
- Writing documentation for components.
- Providing support to applications developers with integration of aforementioned UI components.

- Primary technologies: C++, Qt 5, QML.

At WP2P Dalarna HB

- Development of **WP2P Client Core** (client for new data transfer protocol) almost from scratch.
- Implementation of **WP2P Client GUI** from provided designs and sketches using QML and Qt 4.
- Participation in the protocol development, enhancement and testing.
- Development of new and enhancement of existing support libraries.
- Writing of code documentation.
- Primary technologies: C++, Qt 4.
- Development of the official **WP2P Technology** website – <http://wp2p.org/>. PHP, Drupal.

Open Source projects:

- “**TSP Solver and Generator**” (<http://tspsg.info/>) – project author. C++, Qt 4 & 5.
- “**TAO Translator**” (<https://github.com/leppa/taot>) – project author. C++, Qt 5 & 5, QML.
- “**Fahrplan**” (<https://github.com/smurfy/fahrplan>) – active participation in the project development and improvement, Symbian port, BlackBerry 10 port, bugfixes. C++, Qt 4 & 5, QML.
- “**Qt Creator**” (<http://qt-project.org/>) – modified CMake plugin to work correctly with RemoteLinux plugin; added possibility to ignore missing files while deploying with Remote Linux plugin; few very small bugfixes. C++, Qt 4 & 5.

At IYDRO Webagressive Design Studio

- Creation, modification and fixing of various websites.
- Bug-fixing and thorough rewrite of IYDRO CMS which was used to create websites.

At “Tochka” Web-Studio:

- Creation, modification and fixing of various websites.
- Installation and configuration of dedicated Gentoo Linux server for <http://ukrsvit.ua/> portal.

At NTUU “KPI”:

- Course work: corrections, additions and redesign of the “**Branch and bound method of solving Travelling Salesman Problem**” application for generating and solving of Travelling Salesman Problem tasks – <https://oleksii.name/en/projects/archived/zkommodrd>. Delphi 7.
- The Degree project “**Algorithms of using GIS means in the specialized tasks of managing graphical objects of forestry**”. A part of the software complex developed in the *Institute of Problems of Mathematical Machines and Systems of the National Academy of Sciences of Ukraine* for a government production association “Ukrderzhlisproekt” (Ukrainian State Forest Management Production Association) – <https://oleksii.name/en/projects/archived/degree>. Add-in for ArcMap component of ESRI ArcGIS Desktop, VBA, MSSQL.

Additional information

Scans of certificates, recommendation letters, additional information (e.g., program descriptions and screenshots), and the latest version of this CV can be found online at <https://oleksii.name/en/cv>.