

Alexander Demidenko

Software Developer

Russian Federation

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Keywords

C++, Qt, CMake

Experience

- Oct 2023 - **Software Developer**, *Esc. Tech*, Moscow, Russia
 - present Outsource software development
 - Developing various software using C++/Qt stack
- Aug 2018 - **Software Developer**, *aBeam/Hitachi High Tech*, Moscow, Russia
 - Sep 2023
 - Developing data analysis software for electronic microscopy
 - Support of old projects and part of code
- Mar 2018 - **Software Developer**, *Self Employed*, Moscow, Russia
 - Aug 2018
 - Pay to surf software
 - Pay to surf software. JS extension + WebAssembly + C++/Qt. Made proof of concept project for pay to surf project Ad clicking, VPN node usage.
- Jul 2017 - **Software Developer**, *Esc Tech LTD*, Moscow, Russia
 - Feb 2018
 - Private messenger
 - Significantly reduced time of bar code reading
 - Interface for chat messages and logic for them
 - Significantly reduced WebRTC negotiation time
- Apr 2016 - **Senior Software Developer**, *NEXTERS LTD*, Moscow, Russia
 - Jul 2017
 - Private messenger
 - Crypto module on top of sodium
 - Network manager for custom protocol
 - Extensive UI development: chats/audio/video calls
 - Audio/video and conference calls on top of the WebRTC
 - DB module on top of sqlite
 - Architecture development
- Jun 2015 - **Software Developer**, *CJSC Mercury*, Moscow, Russia
 - Apr 2016
 - Satellite trajectories visualizer and simulator
 - Graph database on top of Postges
 - Wrappers for mathematical objects to Unigine
 - Object system with connectors for mathematical units to be able to form complex calculations chain
- Aug 2013 - **Geophysical Software Developer**, *ARK CLS LTD*, Bedford, UK
 - Mar 2015
 - Geophysical software
 - Developed new project from scratch. Gathering requirements, writing spec, writing math core, writing UI.
 - Support old projects
- Mar 2012 - **Software Developer**, *OJSC MTT*, Moscow, Russia
 - Feb 2013
 - Private messenger
 - Developed VoIP messenger from scratch
 - Development were based on linphone open engine
- Sep 2010 - **Software Developer**, *ScienceSoft*, Minsk, Belarus
 - Oct 2011
 - Various outsourced projects
 - Development of Desktop private messenger (Viber)
 - Ported iOS VoIP engine to Android (Viber)
 - Supported fTalk (old Facebook messenger) development
- Oct 2009 - **Software Developer**, *Moscow Institute of Radiotechnics*, Moscow, Russia
 - Aug 2010
 - Special software
 - Special software for aircraft control

Jan 2008 - **Software Developer**, *Moscow Institute of Space Device Engineering*, Moscow, Russia

Aug 2009 Special software
· Special software for testing input/output from custom devices

Education

2017-2018 **Certificate of professional qualification**, *Higher School of Economics*, Moscow, Business Analytics

2002-2007 **PhD**, *Moscow State Institute of Electronics and Mathematics*, Moscow, Incomplete

2002-2007 **Engineer**, *Moscow State Institute of Electronics and Mathematics*, Moscow

Languages

English Fluent

Russian Native