DMITRY MATVEEV

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https://revival.sh

Maynooth, co. Kildare
Ireland

EXPERIENCE

AI SW Engineering Manager   Intel Ireland R&D Ltd.   Nov 2022 – Present
Leixlip, co. Kildare, Ireland

Enabling the Generative AI capabilities for the Intel® AI PC on NPU. Running a cross-geo team, driving complex solutions.

AI SW Engineering Manager   Intel Corp.   Jul 2016 – Oct 2022
Nizhny Novgorod, Russia

Introduced G-API, the Graph API engine for OpenCV. Offered an efficient solution to image processing, video decoding and deep learning inference (based on OpenVINO™) in a heterogeneous environment (e.g., CPU + GPU + xPU).
Built and trained the G-API team from scratch to 10+ people; the team earned highest employee engagement scores in the internal organization polls and external audits.

Technical Leader   Itseez, Inc (acquired by Intel)   Sep 2013 – Jul 2016
Nizhny Novgorod, Russia

Focused on framework research and development in image processing and computer vision domains. Took different roles from individual contribution to project management and technical leadership. Led an engineering team and delivered OpenVX™ runtime for Intel® platforms. Conducted numerous candidate interviews

Software Engineer   SoftDrom (now discontinued)   2011 – 2012
Nizhny Novgorod, Russia

Joined a small development team and worked on a couple of C++ projects in different domains.

Software Engineer   Mera Networks (now Orion Innovation)   2008 – 2010
Nizhny Novgorod, Russia

Worked in an IP phone engineering support team, mostly fixing tricky critical customer issues in firmware. Got a lot of debugging experience, learned processes and tools.

EDUCATION

2006 – 2012: Specialist in Information Systems and Technologies, Nizhny Novgorod State Technical University.

SKILLS AND EXPERTISE

16 years of professional/industrial C and C++ (03/11/14) experience.
11 years in the image processing and computer vision domain.
10 years in supervising/project management.
7 years of OpenCV and OpenVINO™ contribution.
Image processing, computer vision algorithms and pipelines optimization.
Open-source software enthusiast (see below).

OTHER OPEN SOURCE CONTRIBUTIONS

https://revival.sh/stclass/	Live Programming in Modern Smalltalk, a class in Russian.
https://revival.sh/pharovx/	Pharo Smalltalk interface to OpenVX™ 1.01.
https://revival.sh/shampoo/	Smalltalk remote development package for GNU Emacs.
github://libinotify-kqueue	Google Summer of Code 2011 for the NetBSD Project.
(Fixed various issues)	The NetBSD kernel, GNU Smalltalk packages, Gnumeric.