

**DMITRY MAKAROV**

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## **PROFILE**

I was born on the 10th of February, 1988 in Samara, Russia. I have attended Samara English Language Coeducational School 120 as well as Physics and Mathematics School of Samara State Aerospace University. I have graduated with Bachelor of Engineering degree with major in Software Engineering from Kemi-Tornio University of Applied Sciences in Kemi, Finland and right now I am studying towards Master of Science degree at The Royal Institute of Technology in Stockholm, Sweden.

I am a straight-forward person with a technical way of thinking. I am constantly in a process of self-perfection and self-education and I am always open for learning new things and increasing my skills. I am not afraid of challenging tasks and I take them with excitement. I am good both in team work and working alone. I get along with people well and I have leadership skills.

I have various engineering skills and experience working as a software engineer and a system architect designing discrete products and complex systems. I am interested in the bleeding edge of information technology and looking for an opportunity to pursue my career in the industry I am interested the most.

## **EXPERIENCE**

### **MIONEX OY; KEMI, FINLAND**

#### **SOFTWARE ENGINEER (SEPTEMBER 2008 - PRESENT)**

#### **TRAINEE ENGINEER (MAY 2008 - SEPTEMBER 2008)**

My responsibilities include development of industrial process monitoring and control software for global mining, paper and steel industries; system analysis and architecture design; distributed systems design, implementation and maintenance, machine vision software development and system administration. I have designed and implemented a distributed conditions monitoring and control systems based on company's innovative machine vision technology as well as a hazardous conditions surveillance system. I still remain company's employee up to the present day but starting from September 2009 I am working part-time remotely because of my studies towards Master of Science degree.

### **OPTICAL MEASUREMENTS LABORATORY OF KEMI-TORNIO UNIVERSITY OF APPLIED SCIENCES, COMPUS RESEARCH & DEVELOPMENT; KEMI, FINLAND**

#### **PROJECT ENGINEER (MARCH 2009 - SEPTEMBER 2009)**

#### **TRAINEE ENGINEER (2007, 2 MONTHS)**

My responsibilities included machine vision research and development as well as embedded software development. I have designed and implemented a video surveillance system running on Blackfin embedded platform and Axis network cameras which was capable of motion detection, intrusion logging and running a web-interface. I have also been hired as a project engineer to participate in [eHouse](#) (real estate condition monitoring system development) and [OilAnalysis](#) (lubricating oil analysis system development) projects.

### **BYTE LLC; SAMARA, RUSSIA**

#### **SOFTWARE TESTER, TECHNICAL WRITER (2006, 1 MONTH)**

Business modeling software (Business Studio) testing, software quality assurance; software specification, documentation and user manual writing, reviewing and correction.

## **EDUCATION**

**2009-present** — The Royal Institute of Technology (Kungliga Tekniska högskolan), Stockholm, Sweden.  
Design and Implementation of ICT Products and Systems, Master of Science.

**2005-2009** — Kemi-Tornio University of Applied Sciences (Kemi-Tornion ammattikorkeakoulu), Kemi, Finland.  
Degree Program in Information Technology, Bachelor of Engineering with major in Software Engineering.  
Topic of Bachelor's thesis: Distributed Systems in Industrial Process Monitoring and Control.

**2002-2005** — Physics and Mathematics School of Samara State Aerospace University

**1995-2005** — Samara English Language Coeducational School 120

## **SKILLS**

- Software development process (requirements analysis, specification, architecture design, implementation, testing, deployment and maintenance) using various models including the agile ones.
- Object-oriented and procedural programming, experience in developing software in a number of programming languages (e.g. C, C++, C#, Java, Python, Perl, Pascal etc.) and for various platforms.
- Web-design and development (XHTML, CSS, JavaScript, AJAX, PHP, Perl, Python, Apache, MySQL).
- Embedded systems design and development (experience programming Atmel AVR family of microcontrollers, Blackfin microprocessors running uClinux and Nios II embedded processor running MicroC/OS-II).
- Complex systems design and development (experience in industrial automation and design and implementation of distributed control systems).
- Server administration (web, e-mail, NFS, FTP and Subversion servers running Linux, FreeBSD and OpenBSD operating systems).
- Microsoft Office, OpenOffice.org, Apple iWork office suites proficiency.
- Linux, FreeBSD, OpenBSD, Mac OS X and Microsoft Windows operating systems proficiency.

## **LANGUAGE SKILLS**

- Russian (mother tongue)
- English (fluent)
- Finnish (intermediate)
- Swedish (basics)
- French (basics)

## **REFERENCES**

Harri Pikkarainen, Chief Executive Officer, Mionex Oy;  
Project Manager, Optical Measurements Laboratory of Kemi-Tornio University of Applied Sciences;  
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