# Dmitry Gorochovsky

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## Profile

Senior Software Engineer with strong customer focus, proactive, agile, high ability to use new technologies through rapid self-learning, good team player.

Specialties: .NET, C#, C++, Python, Azure, Cloud, Backend programming CI/CD, Jenkins.

## Professional Experience

**Seniour Backend Software Engineer,** [**Quest Software**](https://www.quest.com/)(05.2018 – present)

Delivered as a Software as a Service (SaaS) offering, Spotlight Cloud provides 24/7 performance monitoring, instant diagnostics, and powerful tuning with Azure Cloud environment to ensure consistent performance and high availability across Microsoft SQLServer databases.

Responsibilities: Working as a backend developer on Spotlight Cloud product.

Was responsible for project transfer to .NET Core.

Refactored and improved team CI/CD system using Jenkins, PowerShell and Apache Ant which led to significant increase of Azure deployment speed and removal redundant code.

Implemented from scratch quality test system using Python, Azure and PostgreSQL and so decreased test time from whole day to 30 min.

Implemented Contract and Integration tests using Postman and Jenkins.

**Senior Software Engineer**, [*HP Indigo*](http://h10088.www1.hp.com/cda/gap/display/main/index.jsp?zn=gap&cp=20000-13698-16021_4041_100__) (10.2010 – 05.2018)

Manufacturing digital offset printing presses. HP Indigo presses are used for general commercial printing, direct mail, photo, publications, labels, flexible packaging and specialty printing.

Responsibilities: Implemented DFE-Press communication, property synchronization, substrate handling for the new product.

Created internal Garbage Collector for DFE which led to better system stability. Contributed in creating test driven development system which led to significant decrease of customer escalations.

Improved user’s ability, usefulness and speed to preview large jobs by creating new Preview system based on Deep Zoom technology.

In my free time developed plug-in for Visual Studio which used by my team and saves huge amount of time for developers.

**Senior Software Engineer**, *[HP Scitex](http://h10088.www1.hp.com/cda/gap/display/main/index.jsp?zn=gap&cp=20000-13698-16020_4041_100__)* (3.2008 – 10.2010)

Manufacturing Wide format and Flatbed Industrial Printers.

Responsibilities: Completely redesigned and implemented motion system and workflow system which led to better stability, reliability and speed of newly developed product.

Also as a focal point was personally responsible for inter-team integration, code support, coordination with QA, fixing defects quickly and qualitatively.

**Senior Software Engineer**, *[NUR Macroprinters](http://www.nur.com)* (6.2004 – 3.2008)

Manufacturing wide-format inkjet production printers & presses and companion inks.

Responsibilities: Was personally responsible for designing and implementing infrastructure framework that served as foundation of new product, implemented protection of entire systembased on HASP® technology and assembly signing which led to significant decrease of copyright violations. Developed Statistics and Reports engine which led to enormous productivity increase of testers and system engineers.

**Software Developer**, *ROI GmbH.* (1.2004 – 6.2004)

Start-up developing an in-line chip programmer for the SMT chip placement industry.

Responsibilities: Was personally responsible for designing system architecture focusing on GUI layer, created mock-up which demonstrated product concept to potential investors.

**Software Developer***,* [*Nova Measuring Instruments Ltd.*](http://www.nova.co.il/) (2000 – 1.2004)

Developing integrated metrology systems for the semiconductor market containing highly accurate robotic placement systems.

Responsibilities: Designed and implemented Multi-Process Logger System which led to better quality assurance, Database Management Tool (able to represent system database as hierarchical tree of logical objects) which improved user ability to manage system, Joystick module (ability to manually control wafer stage movement from GUI) which improved system control. Developed application that used Matlab as server and was able to analyze and report results of wafer measurements. This tool was used inside company and saved huge amount of time to System Engineers.

**Intern***, Net2Gether.Inc* (1999 – 2000)

Start-up company developing Internet application in education area.

Internship: GUI developments, COM development, re-design of existent modules for COM technology.

## Technical Skills

**Proficient:** C#, C++, Python, .NET Framework, Azure, LINQ, STL, Agile, Test Driven Development, reflection, parallel programming, multithreading and synchronization, PowerShell, Bash, Redis, PostgreSQL, MongoDB

**Beginner / learning:** Java, WPF, Cryptography

**IDE:** MS Visual Studio 2019 and earlier versions, VSCode, PyCharm, Anaconda

**Design Skills:** Object-Oriented Analyzing and Design**,** Design Patterns, UML

## Education/Training

Full list of my cources can be found on [my linkedin profile](https://www.linkedin.com/in/dgoro/) under Licenses & Certifications section

2002-2003 – MCSD certification, self-taught, successfully received MS qualification with top scores

1997-2001: **Bachelor of Technology (B-Tech)**, Ort Braude College, Karmiel.

Major Field of study: Software Engineering

**References** - available upon request.