

# Curriculum Vitae

## Petro Protsyk

### Summary

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Professional Software Developer, Team Leader and Architect with a broad C# and C++ experience in the domains of Full-Text Search, Big Data, Digital Imaging and Cloud Computing. I have a strong knowledge in algorithms, data structures and design patterns.

Throughout my career, I worked with the different software development processes (DevOps, Scrum and Agile), tools and technologies. I guided development teams, created technology roadmaps and designed new software products and features.

Besides engineering skills, I have a solid academic background in Computer Science and Math. To keep my skills I regularly participate in the on-line programming contests.

Passionate about programming and new technology. Quick learner, flexible team player with a great attention to details.

Certified Scrum Master and Certified Microsoft Professional.

I am looking for a permanent position in the Netherlands.

### Working experience

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#### 06-2018/present

Company: Booking.Com

Position: Backend Developer

#### 07-2017/06-2018

Company: Ohpen B.V.

Position: Technical Lead

Description:

Developing core banking engine for managing investments and savings. The solution is hosted in Amazon Cloud and provides a secure and reliable API for the clients.

Together with the team, responsible for the continuous delivery, the platform health monitoring, promoting DevOps and product quality improvements.

Technologies:

Amazon AWS, C#, .NET, ASP.NET, WCF, Powershell, Jenkins, TFS, Octopus, Splunk, SOA, CQRS, Dapper, MySQL.

#### 07-2016/07-2017

Company: ZyLAB Technologies B.V.

Position: Chief Software Architect

Description:

Responsible for the architecture and the development of ZyLAB's software. Leading transformation of the existing product suite into a Cloud based SaaS solution hosted in Microsoft Azure.

Responsibilities:

- Creating technology roadmap that is in line with the product development vision.
- Providing technical leadership.

- Conducting technical interviews and guiding developers according to coding and design guidelines.
- Ensuring the right technology is used to achieve the goals set by product management.
- Managing interns that conducted research in Data Science and Text Mining.

Technologies:

Microsoft Azure, Windows Containers (Docker for Windows), Jenkins, ASP.NET WebApi, .NET, C#, C++, Oracle Outside In Technology.

**08-2011/07-2016**

Company: ZyLAB Technologies B.V.

Position: Software Architect

Description:

ZyLAB Information Management Platform provides enterprise level scalable and efficient document management solution. It can efficiently capture, search, OCR, convert and retrieve information stored in various formats and locations.

Responsibilities:

- Developing and maintaining a proprietary full-text and audio search engines. Investigating new algorithms for a fast indexing, search and compressing text.
- Implementing efficient data structures for index storage and search algorithms: approximate string matching (fuzzy search), finding similar documents, and regular expressions.
- Designing and developing efficient and reliable software services for document management tasks.
- Integrating third party OCR-engines, document viewers, text extraction filters, and document conversion libraries.
- Providing technical leadership of one of the development teams.
- Interviewing candidates. Giving technical presentations.

Technologies:

Visual C++, STL, Boost, COM, LibTiff, C#, WCF, Linq, Reactive Extensions, EntityFramework, MS SQL Server, SQLite, SVN, Git.

**08-2010/07-2011**

Company: ZyLAB Technologies B.V.

Position: Software Developer

Description:

ZyLAB eDiscovery solution is a system built in accordance to the Electronic Discovery Reference Model (EDRM). This is a distributed system that can collect, process, convert and search a large volumes of unstructured data.

Responsibilities:

- Designing high performance distributed system for processing large volumes of data.
- Implementing server side components for conducting e-mail based questionnaires according to Legal Hold procedures.
- Designing a scalable service that can convert electronic documents to images or PDF format based on configurable rules.

Technologies:

C#, WPF, WCF, oData, Entity Framework, SQL Server, Linq, Task Parallel Library (TPL), LibTiff, RabbitMQ

## **12-2007/07-2010**

Company: Ciklum (Contracted by Metastorm Inc., UK)

Position: Team Leader and Senior C# Developer

### Description:

Metastorm Business Process Management (BPM) enables businesses to rapidly build, and automate any business process. Stakeholders gain critical visibility into operations allowing them to optimize results and drive growth and innovation.

### Responsibilities:

- Estimating, designing and coordinating the development of visual business process designer;
- Translating project plans into team tasks, establishing and monitoring development process; Communication with other Team Leaders, Managers and Business Analysts;
- Resolving conflicts and questions inside team. Discussing disputable requirements;
- Ensuring that processes and standards are followed by team members (MSF for Agile with some practices from Scrum);
- Solving the most challenging problems: difficult defects, outstanding new features, algorithms;
- Conducting technical interviews with candidates, developing questionnaires (.NET, C#).

### Technologies:

C#, WinForms, TFS, SQL Server, DevExpress components, WWF

## **03-2007/11-2007**

Company: INTSPEI

Position: Software Engineer

### Description:

Startup that developed tools and processes for improving productivity of software developers.

### Responsibilities:

Developed P-Navigator software that can integrate with source control systems, bug trackers, build systems and messaging clients to allow efficient communication within software development team.

### Technologies:

C#, WinForms, TFS, SQL Server, EntityFramework

## **06-2006/09-2006**

Company: Terrasoft

Position: Software Developer

### Description :

Terrasoft CRM is a team-based CRM solution for a small business, providing tools for managing sales, marketing and a customer service.

### Responsibilities:

Developing customer specific configurations for CRM system;  
Integration with 1C:Accounting system;  
Developing visual components for displaying reports;

### Technologies:

Delphi, C#, JavaScript, SQL

## Certification & Other Achievements

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Certified Scrum Master (September 2016)

Microsoft Certification exams: 70-536, 70-526, 70-528, 70-529, 70-547, 70-548, 70-549, 70-502;



Enterprise Application Developer  
Windows Developer



.Net Framework 2.0  
Web Applications  
Distributed Applications  
Windows Applications

Winner of the National final of the Microsoft Imagine Cup competition in Ukraine (2007, 2006, 2004) Software Design category; participant of the World and European finals of the competition (South Korea, Slovenia, Greece).

Winner of Intel Students Threading Challenge in 2007;

The annual winner of All-Ukrainian subject competitions in informatics IV stage in 2001 (the Diploma of third degree).

## Education

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2006 – 2009 Taras Shevchenko National University of Kyiv, Cybernetics department, Post graduate study

2005 – 2006 Taras Shevchenko National University of Kyiv, Cybernetics department, Master's degree

2001 – 2005 Taras Shevchenko National University of Kyiv, Cybernetics department, Bachelor's degree

## Languages

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English – C1, Dutch – B1, Russian/Ukrainian – native