



## Darko Milevski

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### PROFILE

With 15 years of professional experience in software development industry, I have worked on many different positions and roles. Starting as a Software Developer I learned the core technical skills about writing good code, maintaining and refactoring my solutions. As I grow, I became a Senior Developer and then a Technical Team Lead and been responsible for a group of developers. I learned how to architect the solution, make it more maintainable, scalable and dividable for development by different persons. I learned how to delegate tasks, monitor them and assure high code quality. Today I work as a Product Manager and Software Architect at the same time. I'm product owner for 3 products, focusing on the features, getting feedback from customers and improving them to be the best on the market. To accomplish that I have to work with my colleagues with different skills and roles, starting with technical personnel, developers, quality assurance, deployment and operations, marketing, sales and support. I'm involved in the complete process of one product development lifecycle and I enjoy being constantly challenged with new challenges and learn new skills

I'm working mainly with Microsoft Technologies, Web based solutions and Service Oriented Architecture in large environments. I have been developing and managing software development using the latest standards for web development, database and business development.

I have completed many Microsoft official certifications, both for NET development and SharePoint. I'm a regular speaker at various regional Technical and Software Development conferences like MS Vizija, MS WinDays, TechDays, Collaboration Summit, CodeCamp, User Group, ...

I have been awarded with Microsoft MVP Award (Microsoft Most Valuable Professional) for six years in a row, for "outstanding contributions in SharePoint Server technical communities" (2011 - 2016).

## EXPERIENCE

### Nextsense

2012 > Present

#### Technical Product Manager / Solution Architect / Team Lead

Currently hold a position of Technical Product Manager with technical duties for several software products that we build at Nextsense. I'm also a Software Architect for all the software solutions that are developed by my team.

### Nextsense

2010 – 2012

#### Software Developer / Team Lead / Software Architect

### Nextsense

2007 – 2010

#### Senior Software Developer / Team Lead

### Innovaworks

2006 > 2007

#### Senior Software Engineer

Implementation of Geo-location services in spatial databases. SEO. Lucene index and search implementations.

### Nextsense

2004 > 2006

#### Senior Software Developer

Microsoft SharePoint Portal Server 2003, Windows SharePoint Services, Microsoft SQL Server, XML Web Services, Microsoft Office 2003 Applications, COM+ Applications, ASP.NET, Win Forms, IIS, eGovernment solutions

## EDUCATION

### Faculty of Computer Science and Engineering

1999 > 2004

#### Bachelor of Science, Computer Sciences and Automation

The Bachelor program of the Computer Science and Automation Section of the Faculty of Engineering covers subjects such as Automation and Industrial Organization, Artificial Intelligence, Computer Networks Analysis and Visualization, Graph Drawing, Databases and Information Systems, Computer Aided Design, Robotics and Complex Software Systems. The studies were organized in a period of 9 semesters.

### Secondary School

1995 > 1999

#### Computer Sciences and Automation

Broad set of practical skills and knowledge in industrial automation, including digital electronics, process control, and programming of Programmable Logic Controllers and robotics. This school teaches the applications and examples of

automated manufacturing systems including both the theory and function of digital and industrial electronics, hydraulics and pneumatics, robotics systems and programming languages.

## CERTIFICATIONS

Microsoft Certified Solution Developer - For Microsoft .NET

Microsoft Certified Application Developer - For Microsoft .NET

Microsoft Certified Professional

Microsoft Certified Professional Developer (MCPD)- SharePoint Developer 2010

Microsoft Certified Technology Specialist (MCTS) - SharePoint 2010, Application Development

Microsoft Certified Technology Specialist (MCTS) - SharePoint 2010, Configuration

Microsoft Certified Technology Specialist (MCTS) - Microsoft Windows SharePoint Services 3.0, Application Development

Microsoft Certified Technology Specialist (MCTS) - SQL Server 2005

## OTHER COURSES

IT Mark / CMMI

ITIL

Time Management

Business English

# SKILLS

## CORE TECHNOLOGY SKILLS

As a Full Stack .NET Software Developer I have successfully delivered many project, working with various technologies. I was always ready to start working with new version or new framework / library in order to deliver best solution.

.NET (c#) 2, 3, 4, 4.5+ / Core 2+

ASP.NET, MVC, WebAPI, Web Services and WCF

Html & Css, JavaScript

DB: SQL / SQL Server - ORM: NHibernate, Entity Framework, Dapper

SharePoint Administration, Development, Migration

.Net Task Parallel Programming & PowerShell Scripting

## PROCESSES & METHODOLOGIES

Later in my professional career I lead a team of software engineers and qa and that required to organize their work and master all the methodologies and software development lifecycle processes

ALM/DLM and Release Management

Continuous Integration / Continuous Delivery

Agile Methodologies, Scrum, Kanban

Software Development Life Cycle (SDLC)

Business Analysis, Design Thinking

Design Patterns and Software Architecture

## TOOLS AND SERVERS

Today, software development process requires very good process organization, orchestration, automation, monitoring and so on. This is possible only by using the right tools and services

Visual Studio / Code, TFS, Git

Azure DevOps, TeamCity, Octopus Deploy, SonarQube

Elastic Stack, Lucene, Hangfire, ADFS, IdentityServer

Office 365 , Teams , Slack, Trello

Kofax Scanning and Automation (Capture)

Metalogix Content Matrix (SharePoint Content Migration)

## MICROSOFT AZURE

As a Microsoft MVP it come natural to explore the cloud computing on the Azure platform. I have always preferred the PaaS stack of the platform and have successfully finished several projects

IaaS, VM, Resources Management  
PaaS, Azure Web App, App Service, Azure Functions  
Azure Storage, Azure Data Lake, Azure SQL Database  
Azure AD, Azure AD B2C  
Azure Data Factory, Azure SQL Data Warehouse

## SPEAKER

I'm a regular speaker at various regional Technical and Software Development conferences like MS Vizija, MS WinDays, TechDays, Collaboration Summit, CodeCamp, User Group, ...

**Microsoft Vizija**  
October 2005

Microsoft Research Technology bo Microsoft Office 2003

**Microsoft Heroes Happen Here Roadshow**  
May 2008

Visual Studio 2008 - Workflow Foundation

**Microsoft Vizija**  
October 2008

Building Applications and Services with .NET Framework 3.5 and WCF

**Microsoft Vizija**  
October 2010

SharePoint 2010 connectivity options (Business Connectivity Services)

**Microsoft TechDays**  
May 2011

SharePoint 2010 Service Applications

**Microsoft Vizija**  
October 2011

SharePoint 2010 - Organize your organization

**Microsoft WinDays (Croatia)**  
April 2012

SharePoint 2010 - Organize your organization

**SPC Adriatics ( Croatia)**  
November 2013

Developing Search-driven application in SharePoint 2013

**SPC Adriatics ( Croatia)**  
October 2014

Automating SharePoint Deployments with PowerShell

**CodeCamp MK**  
November 2014

Introducing Azure Storage Services

**Tarabica (Serbia)**  
March 2015

Azure Storage Services Development

<b>Microsoft WinDays (Croatia)</b> April 2016	Azure Search for business applications
<b>CodeCamp MK</b> May 2016	Indexing and searching Azure Storage Blobs with Azure Search
<b>Microsoft Vizija</b> November 2016	Cloud-Only company with Office 365 and Azure AD
<b>Collab Summit (Croatia)</b> May 2017	Cloud-Only company with Office 365 and Azure AD
<b>SharePoint User Group</b> June 2017	Office 365 Groups
<b>Macedonian .NET Community</b> May 2018	Using Modern Authentication Mechanisms and Single Sign On for Web and Services
<b>CodeCamp MK</b> November 2018	Azure Data Factory – modern integration in the cloud

## PROJECTS

2018

### Big Data Cloud Transfer

Consultant / Architect / Developer

Project should seamlessly transfer PyroLine sensors data from 10 cement factories to Azure Cloud and store on Azure SQL Data warehouse. The solution is development ad several decouples systems in order to support better scalability, performance and monitoring. Data is read from local SQL database in each of 10 factories, exported as CSV on certain period of time (10 minutes) and the transferred (uploaded) to Azure Storage. The Azure Function triggered on schedule is picking up these files from Azure Storage and start Azure Data Factory pipeline that is developed for data orchestration and transformation. ADF put data to Azure SQL Data warehouse as final destination

.NET 4.5, SQL Server, Azure Storage, Azure Functions, Azure Data Factory, Azure SQL Data warehouse

2016-present

### Product: Expenses tracking and approval

Product Manager / Architect

Expenses is an all-around intuitive software aiming for complete digitalization and automation of the expense approval and reporting processes within companies and organizations. The product offers:

Streamlined and automated expense tracking processes

Simplified expense creation and approval  
Ease of use and traceability  
Expenses data-analytics  
Promotes expenditure transparency and control  
Ability to forecast future reoccurring expenditures  
ASP.NET MVC, AngularJS, SQL Server, NHibernate, WCF, Mobile app

2016

### **Refractory Management System**

Consultant / Architect / Developer

Software for easy management of PyroLine refractory process, visualization and calculation of refractory linings, quantities and costs. Specific logic related to Kiln refractory management process that is applied regularly to cement production factories. Benefits: Ease of data entry and evaluation, Visually appealing, Secure and Scalable, Data retention and Reports at glance, Refractory lifetime analysis and Cost control, Possibility for integration with production systems and data

.NET 4.5, WPF MVVM, SQL Server

2012- present

### **Product: Corporate Document Repository**

Product Manager / Architect / Developer

CDR is software product designed to improve the process of management and distribution of company official documentation that circulate in and out. This system simplifies and standardize the process of documents management, from receiving, listing, distributing to employees, managing permissions and search and closing their life-cycle. For many years the product was released in more than 15 versions, each adding additional functionality and features as a result of the feedback from our customers.

Web, MVVM, Knockout, jQuery, SQL Server, ADO.NET, WebAPI, Mobile App

2011- present

### **Corporate Invoice approval system**

Product Manager / Architect

Nextsense e-Invoice is an innovative, web-based system developed with meticulous attention to detail and precision. The solution is using cutting-edge technologies that meet the most demanding, ever-changing customer needs. The system aims for complete invoicing digitization within the company hence allowing for streamlined tracking and approval process among its users. E-invoices introduces a new time and cost-saving quality dimension to any modern business. Benefits: Quick and easy processing of all incoming and outgoing e-invoices; Real-time e-invoice tracking; Advanced document searching; Instant notifications; Access to contracts part of a financial approval process; Simultaneous invoice

approval from different companies/branches at once; Full track record – History of executed user actions within the system; Highly customizable to satisfy a broad specter of different requirements

Web, AngularJS, Java Script, SQL Server, NHibernate, WCF

2011-2016

### **Loan Management System (for banks)**

Architect, Product/Project Manager, Developer

Business Process Management application for Financial industry (Banking) that manage the execution of sales of financial (bank) products, like loans, mortgages, accreditives, guarantees, etc. The software solution cover complete process of collecting required documents from clients, review by bank employees, organizing and registering credit committee decisions and execution of payment. The Web Application is integration with SharePoint 2013, Core banking system and CRM. The solution implements logic for automatic task distribution based on employee current work load, that is required to support employees distributed environment, where front-office employees supply documentation and data to centralized processing location in central back office.

Web, AngularJS, Java Script, SQL Server, NHibernate, WCF

2015-2018

### **Telco Service Form (Contract) management system**

Architect, Team Lead, Developer

The system is designed to solve the complete contract management process in the Telco. Starting from generating the contract like PDF on CRM request (with data supplied), then storing the PDF contract in the documents repository and linking with appropriate customer and service, and at the end offering this document back to CRM on employee request trough IFrame integrated Web App.

The second part of the project is managing contract signatures by the clients and scanning back with intelligent Kofax Capture Server. The solution include development on top of Kofax Capture, identifying contracts and matching back signed one with the generated in the system.

.NET, SQL Server, ADO.NET, WCF, XML, XSLT, SharePoint

2013-2014

### **Telco billing post-processing and integrations**

Architect, Team Lead, Developer

Big Data SharePoint Farm designed in High-Availability scenario and Load Balanced for better performance, and a solution for Telecom Billing System post-processing. Telecom Billing system generate customer and corporate bills. These Invoices are PDF files that are stored on the SharePoint Server. Each month, ~ 1.000.000 Invoices are generated and uploaded in the separate Site Collection and dedicated Content Database on the server. The process uploads those files from multiple



servers with a multi-threading application and manage to finish uploading in minimum amount of time. PowerShell scripts are created and scheduled once a month to create new SQL Database with capacity of around 400GB on the specific storage drive. SP Content Database is created in this DB and only one new Site collection inside to be a store for each month bills/invoices.

Additionally, these generated invoices are accessible through custom web application that is receiving certain query parameters in order to filter invoices per customer, per account and so on. The Web app is then rendered as IFrame in telco CRM system from where employees access customer bills / invoices.

.NET, TPL, Web, SQL Server, ADO.NET, WCF, SharePoint

2011-2016

### **Intranet Portal (SharePoint Publishing 2007, 2010, 2013)**

Architect, Team Lead, Developer

These Intranet portals are developed based on the client requirements, but most of them have standard functionalities like home page, page layouts, articles, news, announcements, search, my profiles, pools and surveys, calendars, etc.

SharePoint Publishing 2007, 2010, 2013

2006

### **Business Process Management System for Telecommunication Provider**

BPMS for large telecom operator for automation of internal business processes. Based on the SharePoint Portal Server is focused on improving complete corporate performance

2006

### **e-Cabinet**

First version of the e-Cabinet product. Business Process Management System for the government ministries, agencies and central government. Preparation, approval and submission of draft acts. Review of acts on committee meetings and council of ministers meeting. Technologies: SharePoint Portal Server 2013 and .NET 1.1

2005

### **e-Government Services**

Composed of farm of Public Portal servers, and Farm of Backend processing servers. Provides electronic public services to citizens, businesses and non-governmental organizations. Services are populated and approved by professional staff in the ministries and after that are available on the public portal

2005

### **Implementation of collaboration environment for civil aviation agency**

SharePoint Intranet Portal implementation that provides proprietary, enterprise-wide information to the employees as well as access to information such as suppliers, vendors, etc. This system simplifies communication between internal departments, allows information sharing, document collaboration and co-authoring

2005

### **Solution for organizing meetings**

Unique solution for complete organizing of meetings including invitation, execution, summarizing minutes and allocating tasks. System is composed of a central server as an extension on top of the SharePoint collaboration platform, and a set of Microsoft Office extensions. The project is packed in a standalone automated installation.

2004

### **Data Integration and Collaboration Environment for telecom operator**

An implementation of SharePoint Portal Server as an intranet solution for Data Integration and Collaboration Environment

## ORGANIZATIONS

### **MACEDONIAN .NET USER GROUP**

co-founder, ex-president

Back in 2008, me and couple of other friends and colleagues from other companies decided to officially start user group that target developers working with Microsoft technologies. We started organizing User Group meetings once a month in Skopje. I was president of the User Group from 2011 till 2013 and was responsible for all organizational and official (administrative) operations

### **MACEDONIAN SHAREPOINT / OFFICE 365 USER GROUP**

founder

As Microsoft MVP for SharePoint Server, I founded sub-group targeting Office Server and later Office 365 platform. As this is not wide spread technology among developer community in Skopje, I worked to promote and gain popularity of SharePoint development

### **.NET COMMUNITY CONFERENCE – CODECAMP**

organization board

CodeCamp is one day free technical community conference organized by Macedonian .NET User Group. I'm part of the organization board for all of the 8 conferences organized so far back from 2009 until today. I was board executive for conferences in 2011 and 2012, managing the conference team.

### **FACULTY STUDENT UNION (2003-2004)**

President

During my studies on the University, I candidate myself in a election for a president of the student union on my faculty. On the elections, together with my team of colleagues and friends, we were elected by the students to lead the student union for 2 years. My main duties were to represent students in front of the faculty board, protect their rights and opinions.

## LANGUAGES

**Macedonian**

Native or bilingual proficiency

**English**

Professional working proficiency

