

# Profile Stavros Mavrokefalidis

Software Development and Consulting  
Microsoft .NET

## teamstep GmbH

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**Microsoft**  
CERTIFIED  
Professional Developer  
Web Developer 4

Date of Birth: 01/03/1971  
Place of Birth: Thessaloniki / Greece  
Marital Status: Married, one son  
Languages: German & Greek (fluent), English (good)  
IT-Experience: 21 Years  
Rate: negotiable

## Focus

- Software design and development with Microsoft Technologies
- Visual Studio, Azure DevOps, TFS, Git, SQL-Server
- Object-oriented analysis and design
- N-Tier and Client/Server, Microservices
- SCRUM and Waterfall based methodologies
- Development of requirements, estimates, functional and technical specifications.

## Technological Environment

- .NET, C#
- ASP.NET / .Net Core, WPF, MVC, WebAPI, WCF, IIS
- Entity Framework, ADO.NET, LINQ, XML, JSON
- HTML5, JavaScript, CSS, Angular, TypeScript, jQuery, AngularJS
- GUI technologies (ASP.NET, Angular, .Net Core, Windows Forms, WPF, Silverlight)
- MS SQL Server
- UML, OOA, OOD, Design Patterns, MVC, MVVM

## Certificates

- **MCPD Microsoft Certified Professional Developer - Web Development**
  - **Exam 70-513:** Windows Communication Foundation Development with Microsoft .Net Framework 4
  - **Exam 70-516:** Accessing Data with Microsoft .Net Framework 4
  - **Exam 70-515:** Web Applications Development with Microsoft .NET Framework 4
  - **Exam 70-519:** Designing and Developing Web Applications Using Microsoft .NET Framework 4
- **Exam 70-480:** Programming in HTML5 with JavaScript and CSS3

## Project History

<p><b>Consumer industry</b></p> <p>3 months</p> <p>01/07/2020 – 18/09/2020</p>	<p><b>Extension of the project management software INVEST</b></p> <p>Development and extension of an existing internal application for planning of project budgets and management investment.</p> <ul style="list-style-type: none"> <li>• Partial UI modernization of the web frontend based on bootstrap 4</li> <li>• Extension of project management with planning functionality.</li> <li>• Creation of DB structure and update of the existing application for forecasting and CapEx.</li> </ul> <p><u>Systems:</u> Visual Studio 2019, .NET 4.0, C#, nWic Framework, HTML, JavaScript, CSS, jQuery, Bootstrap 4, MS-SQL-Server 2012, ReSharper, Azure DevOps, Git, Internet Information Services (IIS), Windows 10, Windows Server</p>
<p><b>Industry</b></p> <p>7 months</p> <p>01/11/2019 – 25/06/2020</p>	<p><b>Implementation of optimization clients in saw plants</b></p> <p>Enhancement and new development of multiple Windows Clients for the optimization of cuts for avoiding offcuts and control inhouse Aluminium saw devices.</p> <ul style="list-style-type: none"> <li>• Fullstack hands on development in WPF, WCF, REST und SQL.</li> <li>• Concept creation and implementation of architectural changes.</li> <li>• Consulting in planning and implementation of software development concepts.</li> <li>• Planning and implementation of Internationalization/localization (DE/ENG)</li> <li>• Optimization of existing code.</li> </ul>

	<p><u>Systems</u>: Visual Studio 2019, .NET 4.5, C#, Entity Framework, WCF, WebAPI, WPF, Ninject, MS-SQL-Server 2014, TFS, ReSharper, Azure DevOps, Windows 10</p>
<p><b>e-Commerce</b></p> <p>9 months</p> <p>01/02/2019 – 31/10/2019</p>	<p><b>Administration and development for Bicycle online shop</b></p> <p>Maintenance and enhancement of an intranet administration and tooling solution to support and enhance the NAV backend.</p> <ul style="list-style-type: none"> <li>• Full Stack development of the existing backend/frontend system.</li> <li>• Maintenance of WebForms / MVC components and enhancement of the orders/reservations based auf .Net/.Net Core.</li> <li>• Implementation of REST-based Microservices</li> <li>• Refactoring of existing functionality.</li> </ul> <p><u>Systems</u>: Visual Studio 2019, .NET 4.5, .Net Core, C#, Entity Framework, WCF, ASP.Net WebForms / MVC / .Net Core / Angular 8, WebAPI, JSON, OAuth2, OpenId Connect, JWT, WebToken, Unit Tests, MOQ Mocking Framework, MS-SQL-Server 2014, Git, ReSharper, Azure DevOps, Windows 10</p>
<p><b>Industry</b></p> <p>12 months</p> <p>01/01/2018 – 31/01/2019</p>	<p><b>Transport tool optimization of industrial presses</b></p> <p>Conception, design and implementation a Windows client application to simulate and optimize press line transport tools.</p> <ul style="list-style-type: none"> <li>• Work in frontend, service and backend.</li> <li>• WPF/C# Client frontend GUI for the input and monitoring of dynamic data / path data / drive data / interference data of transport tools.</li> <li>• Export of data to simulation software through defined interfaces.</li> <li>• Implementation based on specification of engineers.</li> </ul> <p><u>Systems</u>: Visual Studio 2017, .NET 4.5, C#, Entity Framework, WCF, WPF, Unity, MOQ Mocking Framework, MS-SQL-Server 2014, Git, ReSharper, Windows 10</p>
<p><b>Public Health</b></p> <p>16 months</p> <p>05/09/2016 – 31/12/2017</p>	<p><b>Business solution for health care products and services</b></p> <p>Development of a new modular system for management and billing of health services and products.</p> <ul style="list-style-type: none"> <li>• Frontend development.</li> <li>• Use of WCF based Microservices.</li> <li>• Acquirement of Windows Presentation Foundation for a GUI Client.</li> </ul>

	<ul style="list-style-type: none"> <li>• Maintenance and extension of Microservices.</li> <li>• Unit-Testing of the frontend modules.</li> <li>• Agile, SCRUM like process.</li> <li>• Continuous Integration and Continuous Deployment.</li> </ul> <p><u>Systems:</u> Visual Studio 2015, .NET 4.5, C#, Entity Framework, WCF, WPF, Unity IOC, MVVM, MOQ Mocking Framework, Microservices, MS-SQL-Server, Team Foundation Server, ReSharper, Windows 7, FastReport</p>
<p><b>Media</b></p> <p>7 months</p> <p>09/02/2016 – 31/08/2016</p>	<p><b>Media Portal</b></p> <p>Implementation of a media portal enabling editorial offices to research for media.</p> <ul style="list-style-type: none"> <li>• Full Stack Software development.</li> <li>• Implementation of the web user interface in HTML5, CSS, JavaScript, AngularJS 1.4 in combination with TypeScript.</li> <li>• Enhancement of the Backend to provide RESTFull Microservices by utilizing ASP.Net WebAPI.</li> <li>• Development of backend unit tests via C#.</li> <li>• Development of frontend unit tests based on Jasmine JavaScript test framework.</li> <li>• Agile process according to the SCRUM Methodology.</li> <li>• Git source control, Team Foundation Server based SCRUM-planning.</li> </ul> <p><u>Systems:</u> Visual Studio 2015, .NET 4.5, C#, Entity Framework, ASP.Net WebAPI, ASP.Net MVC 5, MS-SQL-Server, Git, Team Foundation Server, ReSharper. HTML5, CSS, SCSS, AngularJS, Javascript, Kendo UI Core, TypeScript, Jasmine Frontend Unit-Tests, Dependency Injection, Windows 7</p>
<p><b>Tele communications</b></p> <p>4 months</p> <p>21/09/2015 – 22/01/2016</p>	<p><b>Software design C# / WPF communication client</b></p> <p>Development of a Windows SIP client for VOIP communication.</p> <ul style="list-style-type: none"> <li>• Implementation of the XAML-Layout according to exact definitions by the client.</li> <li>• Styling und Templating in XAML.</li> <li>• Implementation of Business- und UI logic in C#.</li> <li>• Usage of the MVVM (Model-View-ViewModel) pattern.</li> <li>• Usage of REST-Services of the SIP-Server.</li> <li>• Development of unit and integrations tests for the implemented features.</li> <li>• SCRUM based process.</li> </ul>

	<p><u>Systems</u>: Windows 8/10 Client, Visual Studio 2013, .NET 4.5, C#, Windows Communication Foundation (WPF), Subversion Source Control, ReSharper.</p>
<p><b>Governmental authority</b></p> <p>8 Months</p> <p>17/11/2014 – 09/07/2015</p>	<p><b>Windows Forms - Development HKR-MV</b></p> <p>Migration of a VB6 application for managing the distribution of financial funds to the .Net Framework 4 und VB.NET. This is the completion of the project from 2011-2013.</p> <ul style="list-style-type: none"> <li>• Implementation based on technical and business requirements according to the currently released old VB6 application.</li> </ul> <p><u>Systems</u>: Windows 7 Client, Visual Studio 2010, .NET 4.0, VB.NET, Windows Forms GUI (WinForms), Synergy source control, EntireX</p>
<p><b>Media</b></p> <p>4 Months</p> <p>01/07/2014 – 22/10/2014</p>	<p><b>Development Media Management Solution VPMS</b></p> <p>Development of an N-Tier based media management solution for managing, editing and producing of media files for TV stations (Media Asset Management).</p> <ul style="list-style-type: none"> <li>• Implementation of a configuration tool in ASP.NET MVC5 to ease maintenance and configuration of complex services-based modules and transcoding units.</li> <li>• Enhancement of n-Tier based Systems in Service-Layer und Frontend.</li> <li>• Frontend development with ASP.NET MVC5, Silverlight und WPF.</li> <li>• Development of Windows- and WCF-Services.</li> <li>• Agile development with SCRUM.</li> </ul> <p><u>Systems</u>: Visual Studio 2013, .NET 4.5, C#, Subversion, Team Foundation Server, ASP.Net MVC5, WCF, nHibernate, ReSharper, NuGet , JavaScript, jQuery, CSS, HTML 5, SQL-Server 2012, T-SQL, Silverlight, WPF, Windows Server 2012 R2, IIS 8.5, Windows 7</p>
<p><b>Energy</b></p> <p>8 Months</p> <p>19/08/2013 – 31/03/2014</p>	<p><b>Portal development “SunnyPortal”</b></p> <p>Extension of a web based portal for visualization and monitoring of solar plants with shop and eCommerce functionalities.</p> <ul style="list-style-type: none"> <li>• Implementation of a registration wizard for connection of the portal to WebSphere Commerce Server and the BackOffice system (SAP).</li> <li>• Integration of the enhancements into the existing n-tier infrastructure in compliance to the Microsoft stack.</li> </ul>

	<ul style="list-style-type: none"> <li>• Implementation of shop functionality in backend, service layer and user interface (ASP.Net WebForms and ASP.Net MVC 4).</li> <li>• Planning, documentation and unit testing of the extension according to the requirements team.</li> <li>• Usage of modern architecture, design principles and patterns like SOLID, Dependency Injection, Reviews, Coding Style guidelines, Gated Check-Ins.</li> </ul> <p><u>Systems:</u> Visual Studio 2012, Team Foundation Server 2012,.NET 4.5, C#, ASP.Net MVC 4 und Web Forms, IIS 7.5, ADO.Net, Entity Framework, ReSharper, StyleCop, NuGet, Unity, Code Contracts, Log4Net, jQuery, diverse JavaScript-Frameworks, CSS, HTML 5, Windows Services, WCF Services, SQL-Server 2008 R2, T-SQL, Windows Server 2008 R2, Windows 7, JIRA Requirements Management, SAP Backend</p>
<p><b>Building trade</b></p> <p>3 Months</p> <p>30/06/2013 – 16/08/2013</p>	<p><b>Development and project management</b></p> <p>Extension of a Facility-Management web application for managing and monitoring buildings and real estates.</p> <ul style="list-style-type: none"> <li>• Implementation of current requirements and change requests in ASP.Net MVC 3 frontend using HTML5, JavaScript and CSS.</li> <li>• Management and coordination of the project process including requirements engineering.</li> <li>• Implementation of requirements based on Microsoft Stack.</li> </ul> <p><u>Systems:</u> Visual Studio 2010, Team Foundation Server 2010,.NET 4.0, C#, ASP.Net MVC 3, IIS 7.5, NuGet, Unity, Log4Net, JavaScript, jQuery, CSS, HTML 5, WCF Services, SQL-Server 2008 R2, T-SQL, Windows Server 2008 R2, Windows 7</p>
<p><b>Governmental authority</b></p> <p>19 Months</p> <p>01/11/2011 – 31/05/2013</p>	<p><b>Coaching, design and development of Windows applications</b></p> <p>Coaching in the process of migrating several VB6 applications to the .Net Framework 4 and VB.Net. The applications were covering public treasure payment and budget management of governmental instances.</p> <ul style="list-style-type: none"> <li>• Training and coaching of a team according to state of the art software development techniques.</li> <li>• Planning and running of workshops.</li> <li>• Planning and implementation of the migration based on n-tier architecture with WinForms GUI.</li> </ul>

	<ul style="list-style-type: none"> <li>• Data Access to Natural host modules and ADABAS with Software AG EntireX components.</li> <li>• Estimation of the entire migration.</li> <li>• Usage of UML and OOA / OOD.</li> <li>• Training of patterns und design principles like Singleton, Abstract Factory, Model-View-Controller, Model-View-ViewModel, SOLID.</li> </ul> <p><u>Systems</u>: Windows Server 2003 with Terminal Services/Windows XP Client, Visual Studio 2010, .NET 4.0, VB.NET, Windows Forms GUI (WinForms), WPF, WCF (Windows Communication Foundation), Synergy source control, EntireX, Natural, Adabas, Crystal Reports</p>
<p><b>Trade</b></p> <p>4 Months</p> <p>06/07/2011 – 31/10/2011</p>	<p><b>Software development and design</b></p> <p>Implementation of a web service based Excel Add-In for purchase optimization of seasonal products.</p> <ul style="list-style-type: none"> <li>• Implementation was particularly focused on query performance and handling of a large amount of data. The application was embedded in an n-tier system built upon a web service, SharePoint, Office client and Silverlight.</li> <li>• Object-oriented analysis and design.</li> <li>• Visual Studio 2010, MS-SQL-Server 2008, C# as the programming environment.</li> <li>• T-SQL including stored procedures, views und triggers.</li> <li>• Analysis and optimization of performance bottlenecks.</li> <li>• Planning and implementation of security.</li> <li>• N-Tier application (Silverlight 4, Office 2010 Client, WCF WebService hosted in SharePoint 2010, SQL-Server data access)</li> </ul> <p><u>Systems</u>: Windows Server 2008 R2/Windows 7 Client, MS-SQL Server 2008 R2, Visual Studio 2010, MS-Office 2010, .NET 4.0, C#, Windows Forms GUI (WinForms), Silverlight 4, WCF (Windows Communication Foundation), Active Directory, ADO.NET, Subversion</p>
<p><b>Media sector</b></p> <p>9 Years</p> <p>2003 - 2011</p>	<p><b>Software development and design</b></p> <p>Enhancement and maintenance of a standard software for the media sector.</p> <ul style="list-style-type: none"> <li>• Development and maintenance of components in n-tier systems.</li> <li>• Preparation of technical and functional specifications, estimates.</li> </ul>

	<ul style="list-style-type: none"> <li>• Planning of new concepts to serve customer requirements and needs.</li> <li>• Technical guidance and support for various departments while constructing functional and technical specifications.</li> <li>• UML (Use Case- und Class Diagrams)</li> <li>• Object-oriented analysis and design (OOA/OOD)</li> <li>• Implementation in C#, Windows Forms GUI (WinForms), ADO.NET, XML, VB6, COM, ADO, MS-Excel und MS-Access VBA.</li> <li>• Creation of interfaces, utilities and maintenance of existing interfaces and conversion tools (VB6 COM, C++ STL)</li> <li>• Implementation in T-SQL incl. stored procedures, views and Triggers</li> </ul> <p><u>Systems:</u> Windows Server/Client, MS-SQL 2000-2008R2, Visual Studio 6.0 - 2010, MS-Office 2003 – 2010, COM, VB6, .NET 2.0 – 4.0, C#, C++, VB.NET, Windows Forms GUI (WinForms), WPF, Entity Framework, WCF, MS SQL-Server, ADO, ADO.NET, XML, UML, MS SourceSafe, Team Foundation Server, CVS (Eclipse), MFC, STL</p>
<p><b>Service</b></p> <p>5 Years</p> <p>1999 - 2003</p>	<p><b>Software development</b></p> <p>Development and maintenance off an ERP/CRM standard solution for Service, trade and production</p> <ul style="list-style-type: none"> <li>• Maintenance and extension of existing ERP- und Service modules.</li> <li>• Maintenance and extension of an existing offline application for mobile users of the ERP and service modules base on C/C++, Oracle PL/SQL and Oracle Pro*C (embedded SQL)</li> <li>• Planning and implementation of mobile offline applications in VB6, Celesta Wireless Server and Nokia 9210 Communicator</li> <li>• Participation in various project around the major applications (VB6, PL/SQL, Reporting with Crystal Reports)</li> <li>• Planning and arrangement of trainings for employees and colleagues (Visual Studio VB6, C++, MFC, MSSQL)</li> <li>• Design and implementation of a new COM based framework and integration into the existing architecture.</li> </ul>



	<p><u>Systems</u>: Windows Server/Client, MS-SQL, Oracle, Visual Studio 6, VB 6, COM, DCOM, MTS, C++, MFC, Centura Team Developer, Centura SQLBase, Crystal Reports, Celesta Wireless Server/mBusiness Gateway, MS Office</p>
<p><b>Service</b></p> <p>3 Years</p> <p>1997 - 1999</p>	<p><b>Quality management / support</b></p> <p>Quality Management and Support of ERP/CRM standard solution for Service, trade and production</p> <ul style="list-style-type: none"> <li>• Evaluation of functional and technical correctness according to the specifications and coordination of changes.</li> <li>• Manual testing of modules.</li> <li>• Management of test and support databases.</li> <li>• Generation of test cases for automated testing with Rational SQA Team Tester</li> <li>• Support and troubleshooting of database issues (Oracle/SQL-Server)</li> <li>• Administration of Windows operating systems (NT, Win 2000, Win XP)</li> <li>• Support of customers, partners and employees regarding functional and technical issues (first, second and third level support)</li> </ul> <p><u>Systems</u>: Windows NT, Win2000, WinXP, MS-SQL 7/2000, Oracle, Visual Studio 6, MS Office, Rational SQA Team Tester</p>

## Employment History

2014	<u>IT-Consulting Stavros Mavrokefalidis</u> Senior Consultant/Developer - Microsoft Software Engineering
2011-2013	<u>MT AG, Düsseldorf</u> Senior Consultant/Developer - Microsoft Software Engineering. Various sectors.
2003-2011	<u>Donovan Data Systems GmbH, Düsseldorf</u> Development / Design for media sector.
1999-2003	<u>SA Service Alliance GmbH &amp; Co. KG, Willich</u> Software Development for various sectors.
1997-1999	<u>SA Service Alliance GmbH &amp; Co. KG, Willich</u> IT-Merchant in Quality Management / Support
1995-1997	<u>IB Internationaler Bund, Wesel</u> Education as Merchant including practical trainings

## Education

1991 - 1992	One year practical training – Advanced Technical College Certificate
1987 - 1991	Secondary School with certificate
1982 - 1987	Junior High School with certificate
1979 - 1982	Primary School 4.-6. class with certificate (Greece)
1976 - 1979	Primary School 1.-3. class (Germany)