

## PERSONAL INFORMATION

Ákos Nagy



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## WORK EXPERIENCE

## 2017- Freelancer software developer and architect

- Consultation, elaborating in-house development practices and processes
- Developing in-house frameworks, code-review participation, coding-interviews
- Architectural design, implementation
- Introducing new technologies, migrating to modern solutions
- Developing and managing in-house trainings

## 2014 - Software engineering instructor

- Designing and instructing introductory, novice and advanced courses on .NET and related technologies (Entity Framework, ASP.NET, Core frameworks, Azure)
- Designing and presenting courses to meet specific needs of companies
- Designing and instructing courses on software development (design patterns, unit testing, software architecture, object orientation)

2016-2017 Senior Software Architect  
Head of EN-CO Innovation and Training Centre

EN-CO Software Kft.

- Coordinating small and medium sized agile teams
- Requirements specification, client contact
- Designing software architecture
- Developing frameworks
- Developing MS SQL Server data models using Entity Framework
- Developing web based services (ASP.NET Web API and ASP.NET MVC Core based REST services, WCF webservice)
- Coordinating in-house training, developing training materials

## 2012-2016 Software engineer

AutSoft Kft.

Budapest University of Technology and Economics, Department of Automation and Applied Informatics

- Coordinating small and medium sized agile teams
- Participation in R&D projects (optimizing communication of distributed services, measuring user experience, cost optimization in the cloud, design pattern recognition in source code)
- Requirements specification, client contact
- Developing MS SQL Server data models using Entity Framework
- Developing web based services (ASP.NET Web API and ASP.NET MVC Core based REST services, WCF webservice)

**2010-2015 Junior teaching assistant**

Budapest University of Technology and Economics, Department of Automation and Applied Informatics

- Developing course material, presentation and lab-based courses, evaluating assignments
- Beginner and advanced .NET programming, Python programming, software engineering, cloud development, basics of digital technology

**EDUCATION****Translator and interpreter from English and Hungarian languages**

2015-2017 Budapest University of Technology and Economics, Faculty of Economic and Social Sciences, English-Hungarian interpreter specializing in IT domain language

EQF level 7

**Computer Science Engineer, Master's Degree**

2013-2015 Budapest University of Technology and Economics, Faculty of Electrical Engineering and Informatics, Computer Science M.Sc.

EQF level 7

2009-2013 Budapest University of Technology and Economics, Faculty of Electrical Engineering and Informatics, Computer Science B.Sc.

EQF level 6

**High-school diploma**

2003-2009 Földes Ferenc High School

EQF level 4

**PERSONAL SKILLS**

Mother tongue Hungarian

**Other languages**

	COMPREHENSION		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C2	C2	C2	C2	C2
language certificate: Cambridge Proficiency: English, C2 LexInfo IT language certificate C1 Cambridge Business English Higher C2					
German	B2	B2	B2	B2	B2
language certificate: Österreichisches Sprachdiplom Deutsch, C1					
French	B2	B2	B2	B2	B2
language certificate: Diplome Elementaire de la Langue Francaise, B2					

**Communication skills**

- good communication skills perfected during years of teaching and education
- good presentation skills acquired at conferences
- allocating and communicating tasks and assignments as team coordinator
- confident negotiator

**Job related skills, programming and IT skills**

- Deep understanding of the object-oriented paradigm and related design patterns and theoretical tenets

- Professional working knowledge of the .NET and .NET Core framework and related technologies and tools (C#, WPF, Entity Framework, WCF, ASP.NET MVC, ASP.NET Web API, Entity Framework Core, ASP.NET Core MVC, Visual Studio, MSBuild)
- Strong knowledge in database design and management using the related Microsoft technologies
- Deep understanding of cloud computation model and related technological solutions (mainly Azure)
- Strong understanding of software engineering methods and related metrics
- Novice NodeJs, ExpressJs and MongoDB skills
- Novice TypeScript skills
- Strong grasp of version control and team management systems (Azure DevOps, Git, GitHub)
- Basic understanding of Python
- Novice understanding of SDL Trados CAT tool

#### Hobbies

- Crossfit, running, swimming

#### OTHER INFORMATION

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##### Selected publications

- Akos Nagy, Bence Kovari: *Incorporating sensory data collected on mobile devices into user experience analysis*, 5th IEEE International Conference on Cognitive Infocommunications, Vietri, 2014.
- Akos Nagy, Bence Kovari : *Evaluating Performance of Cloud Computing Environments*, XIV. IEEE Symposium on Computational Intelligence and Informatics, Budapest, 2013.
- Akos Nagy, Bence Kovari : *Optimizing Communication of Web Services on the .NET Platform*, XXVII microCAD International Scientific Conference, Miskolc, 2013.

*For the complete list, see:*

<https://vm.mtmt.hu//search/slist.php?lang=0&AuthorID=10050320>

##### Seminars

- Association of Informatics Teachers, "Tehetséghidak" (TalentBridge) program
- Association of Informatics Teachers, "Génius" (Genius) program

##### Honors and awards

- Scholarship of the Budapest University of Technology and Economics (2015)
- Scholarship of the Hungarian Republic (2012., 2014.)
- Scholarship of the Department of Electrical Engineering and Informatics, Category A (2013., 2014., 2015.)
- Students' Scientific Conference, Budapest University of Technology and Economics, Faculty of Electrical Engineering and Informatics: 1. place (2011., 2012.)
- Students' National Scientific Conference, Informatics Session: 1. place (2013.)
- Students' Scientific Conference, Budapest University of Technology and Economics, Faculty of Electrical Engineering and Informatics : 2. place (2014.)
- 17th International Mathematics Competition: Certificate (2010.)
- Faculty Mathematics Competition, Budapest University of Technology and Economics, Faculty of Electrical Engineering and Informatics : 2. place (2010.)

##### Certifications

- Microsoft Certified Trainer
- EC-Council Certified Application Security Engineer .NET

- Microsoft Certified: Azure Cosmos DB Developer Speciality
- Microsoft Certified: Azure Developer Associate
- Microsoft Certified Solutions Associate: Cloud Platform
- Microsoft Specialist: Programming in C#
- Microsoft Certified Solutions Developer: Web Applications
- Microsoft Certified Solutions Associate: Querying SQL Server 2012
- Microsoft Certified Professional Developer: Windows Applications; Windows Azure Applications
- Microsoft Certified Technology Associate: .Net Framework 4, Data Access; .Net Framework 4, Service Communication Applications; .Net Framework 4, Windows Applications
- International Software Testing and Qualifications Board: Certified Tester, Foundation Level; Certified Tester, Agile Extension; Model-Based Tester Extension, Mobile Application Tester Extension, Performance Tester Speciality
- SDL Trados Studio 2017 for Translators - Getting Started Certification