

Daniel Moka, M.Sc.



GET IN TOUCH:

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Nationality:

Hungarian

Birthdate:

10 August 1989

ABOUT ME

Building software is both my passion and my profession. My main goal is to make the customer happy by crafting quality software solutions. I have a solid background using agile methodologies such as Extreme Programming, and I am driven by providing value with the state-of-the-art technologies. I am a big fan of Test-Driven Development and Domain-Driven Design to produce clean code that reads like a well-written prose. I have demonstrated that I have a strong ability to educate and mentor others in the field to fulfill their potential and to deepen my knowledge.

RELEVANT EXPERIENCE

- Jun 2022 - Present
Moka IT Engineering | Software Craftsman (freelancer)
Remote, Hungary
 - Helping companies to apply the best software engineering practices
 - Building full-stack solutions using cloud-native technologies
 - Transforming teams and leading activities about designing quality software
 - Stack: .NET, Rust, JS/TS, Azure Cloud
- May 2020 - Jun 2022
OMV | Cloud Solution Engineer
Vienna, Austria
OMV is Austria's 2nd biggest company in the oil, gas and petrochemical business domain
 - Designing and implementing cloud-native, serverless and event-driven software solutions
 - Developing a Hybrid Integration Platform with the Azure stack, which enables self-service integration solutions
 - Setting up and supporting API management and DevOps processes
 - Introducing and implementing best engineering practices such as Extreme Programming, agile testing strategies, and Kanban
- Sept. 2018 - Okt. 2019
PHILIPS | Senior Software Engineer
High Tech Campus, Eindhoven, Netherlands
Philips is a multinational conglomerate company focused in the area of healthcare and lighting
 - Back-end development of an end user healthcare portal for Dutch citizens
 - Building and deploying services using the .NET stack, Kubernetes (Azure) and micro-service architecture with REST API-s
 - Leading activities to transform and on-board other teams to apply best practices like Test Driven Development
- Mar. 2016 - Sept. 2018
SPS | Software Engineer
De Maasport, Den Bosch, Netherlands
SPS is one the leading producers and suppliers of industrial paint systems
 - Full-stack development of a production and warehouse management system which fulfills a scanner-based way of working
 - Turning business requirements into functional and technical specifications
 - Building software components using .NET, Java EE and JavaScript
- Feb 2015 - Oct. 2015
Department of Geodesy and Surveying | Software Developer
Budapest, Technical University of Budapest (BME)
 - Building automated measurement systems based on measurements of robotic total stations
 - Setting up and executing real-time monitoring on famous Budapest bridges by using Python
- Sept. 2012 - Jan. 2015
Leszing Ltd. | Geo-Informatic Engineer
Budapest, Hungary
Leszing Ltd. is a building architect and real-estate company focusing in design and real-estate salesmanship
 - Building tools for facilitating engineering geodesy, cadastral and property valuation works
 - Executing and processing results of engineering geodesy works based on high precision GPS and geodetic total stations

SOFT SKILLS

TEACHING AND MENTORING

Having strong ability to motivate and support others within the software engineering profession in order to let them grow, develop and fulfill their potential. Led activities on regular basis to educate other teams to apply best practices. Having weekly mentoring sessions with junior developers.

ENTHUSIASM AND PERSEVERANCE

Representing high level of enthusiasm and confidence relating to my profession and influencing others to keep positive attitude up and to ensure an excellent and productive working environment. Demonstrated to be a strong team-member in my previous agile teams.

TEAMWORK

Possess the ability to effectively collaborate abroad with other team members having different nationalities and roles. Being able to cooperate with other teams and setting up consensus on collective works and tasks with a mindset of continuous improvement.

EDUCATION

- 2013 - 2015 **M.Sc., Geo-Informatic Engineer**
Budapest University of Technology and Economics
 - Master thesis titled "Indoor Navigation".
 - Development of indoor geo-localization system based on augmented reality using high resolution cameras.
 - Building a pedestrian geo-localization tool based on mobile sensors.
- 2014 - 2015 **Scholarship in Navigation and Environment-Robotics program**
Leibniz Universität Hannover
 - ERASMUS semester at the Geographic Information Science and Cartography Department
- 2008 - 2013 **B.Sc., Geoinformatics and Geodesy Engineer**
Budapest University of Technology and Economics
 - Bachelor thesis titled "Developing an Automatic Deformation Monitoring System based on robotic total stations"

INTERESTS

Sports: running, wake-skating, body-building
Meditation and learning languages

TECHNICAL SKILLS

	average	good	skilled
C# / .NET Core	● ● ● ● ● ● ● ●		
Javascript / Typescript / React	● ● ● ● ● ● ● ●		
Rust	● ● ● ● ● ● ● ●	○ ○	
PowerShell	● ● ● ● ● ● ● ●		○
Azure	● ● ● ● ● ● ● ●		
DevOps	● ● ● ● ● ● ● ●		
MSSQL / Postgres	● ● ● ● ● ● ● ●		○
Docker	● ● ● ● ● ● ● ●		○
Kubernetes / Helm	● ● ● ● ● ● ● ●	○ ○	
Extreme Programming	● ● ● ● ● ● ● ●		
Test-Driven Development	● ● ● ● ● ● ● ●		
Agile testing strategies	● ● ● ● ● ● ● ●		
Domain-Driven Design	● ● ● ● ● ● ● ●		○

LANGUAGES

	basic	working	native
Hungarian	● ● ● ● ● ● ● ●		
English	● ● ● ● ● ● ● ●		○
Dutch	● ● ● ● ● ● ● ●	○ ○	
German	● ● ● ● ● ● ● ●	○ ○ ○ ○	
Chinese	● ● ● ● ● ● ● ●	○ ○ ○ ○	

SIDE PROJECTS

TDD Manifesto

Creating a detailed manifesto to onboard new developers to apply Test-Driven Development - tddmanifesto.com

First International TDD Conference - 2021

Organizing and participating in the first international TDD conference

Fluent-asserter in Rust

Developing an open source fluent test assertions library for Rust development

Warehouse Management and Enterprise Resource Planning system

Designing and implementing a full-stack ERP solution using micro-service architecture with ReactJS, NET Core, Kubernetes and Azure

Container Tracking System

Building and maintaining an online tracking system with a digital map solution for a building material shipping enterprise using the .NET stack