BLACKBELT

M.V. – 236211

SHORT SUMMARY

I am a solution-oriented developer who always try to achieve an effective and collaborative work atmosphere with my co-workers and clients. I develop my professional knowledge on a daily basis to try to be better every day.

PROFESSIONAL BACKGROUND

2021 - currently   **Company 1. | Senior .NET Developer**

❖ I participated in the development of the SDE, a site inventory and layout management system, in an Agile methodology. The system was written in the .net framework using SQL Server, EF and Knockout as client side JavaScript framework. Working on separating the monolith system into several micro services using latest technologies like .NET Core, EF Core, Rabbit MQ, Kubernetes and Docker.

2016 – 2021   **Company 2. | Senior Full Stack Developer**

❖ Started as trainee and I learned many basic knowledge of telematics and programming skills. Over the years, I have participated in numerous tasks, projects and working groups.

Main projects

❖ ERP

Contract, subscription generator monolith web application with some financial functions and some maintainers like vehicle configuration with sensors. I was junior on this project. My tasks were implementing features with existing solutions.

❖ Dashboard

Creates telematics reports. Online vehicle tracking. Maintainers. Notifications. Interactive client side map based on Google, HERE, custom one. Since it is one of the early projects still a monolith web application with many different functions. Started as medior ended up as senior developer. In the beginning my tasks were implementing new features with existing solutions. With some experiences I became a determinative person of the team.

One of my biggest successes are in refactor of client side map. Which can manage multiple hosts like Google or any custom and our custom could manage more than 1 000 000 markers. Old one failed at 200.

**GREAT IDEAS NEED
GREAT ENGINEERS**

❖ Online vehicle tracking

Interactively shows every vehicles of fleet on map. Gives information about position, sensor values, tachograph data, alerts. Built on the scalable microservice architecture. I was leader of 5. Coordinates team members, scrum events, manage team's backlog. Communicate other teams/leaders. Architecture planning from backend to frontend. On the backend I planned, implemented data processor application. It connects to communicate server which provides all of connected vehicles data. It calibrates all raw information to useable ones. For example GPS coordinates to physical address, fuel level calibrations, temperature normalizations and many more telematics calculations. There are more than 60 000 vehicles streamed data processed within milliseconds on the fly and stored physically. On the frontend I created an efficient SignalR communication between client and server. It not matters how many browser tabs are open one of them is master others are slaves. They are sharing information via LocalStorage. This feature cuts off server's active WebSocket connections by minimum 70% per server.

❖ Custom map engine refactor

Completely rewrites Legacy C/C++ codes onto C#. Optimizing algorithms for loading speed, address or coordinate searching, drawing speed, ect. My tasks were implement more responsive, optimized map data/file reader into memory, implement GIS algorithms and define API for tile drawing. I learned many things about how C# compiler works.

❖ Web APIs

Define and writes APIs for external and internal usage. Documented via Swagger.

❖ Other tasks

Tasks are analysing logs, support deployed applications. Mentoring juniors/mediors.

COMPETENCIES

❖ C#
❖ TypeScript/JavaScript
❖ T-SQL
❖ Java
❖ ASP.NET MVC
❖ WCF
❖ Every .NET version since framework 4.5
❖ Entity Framework
❖ Angular
❖ Telerik Kendo UI
❖ HighCharts

❖ Google Maps
❖ HERE Map
❖ TFS
❖ GIT
❖ JIRA
❖ Jenkins
❖ Microsoft IIS, K8S
❖ MSSQL
❖ RabbitMQ
❖ Docker

**GREAT IDEAS NEED
GREAT ENGINEERS**

Language knowledge: English (basic/conversational level)
Development methodology: Agile (Scrum, Kanban, SAFe)

PERSONAL PROJECTS

In 2018 I decided to create my own business. All projects are running in real production environment. Daily uses, positive feedbacks from customers. UI controls based on Telerik Kendo UI. All projects are started from fresh. Mostly I'm the implementer, maintainer of main core infrastructural code base.

### 2018 - 	Contract registration system

❖ A web-based system for the rapid tracking of contracts and orders, which provides a detailed overview of the status of contracts to economic, professional and project managers, as well as to the employees concerned, even without serious financial knowledge.

❖ Data synchronization with ERP systems to provide billing information.

❖ Maintaining master data.

❖ Generating reports, statistics.

❖ Alerts via email.

❖ Personalised system configuration for every contractor. For example grid column visibility, column naming, synchronized data, reporting.

### 2018.11 - 	Training and student registration system

❖ Online administration application for managing trainings.

❖ Creating diaries for training and student contracts.

❖ Excel based export/import.

❖ Generating reports, statistics.

### 2020.09 - 	Government booking and delegation registration system

❖ Travel, meeting management system.

❖ Generating reports, statistics

❖ Data synchronization with ERP systems to provide billing information.

### 2020.11 - 	Assortment manager

❖ Manage receipts and stands.

❖ Generating reports, statistics.

❖ Cost, storage stock statements.

**GREAT IDEAS NEED
GREAT ENGINEERS**

2021 - 2022   **Logistics and forwarding system**

❖ A goods shipment system made for one of Hungary's largest commercial chains, which calculates the loading, delivery time and route of the ordered goods as efficiently as possible, starting from the logistics center with the relevant stores. Driver logbook generation and continuous synchronization with the telematics service provider.

❖ Technologies used: .NET 6, SQL Server, EF Core with Dapper, Angular, Kendo UI

EDUCATION

2014 – 2016   **Szegedi Tudományegyetem Juhász Gyula Pedagógusképző Kar**
Software Developer

CERTIFICATIONS

2022   **Scaled-agile Framework**

2020   **Microsoft 70-483: Programming in C#**

**GREAT IDEAS NEED
GREAT ENGINEERS**