



Basic and contact information

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Marital status: married, 2 children
Citizenship: Slovak



Language skills

Slovak – native language
English – active
Russian – passive

Knowledge base

Computers
Trading
Management

IT Projects

- XETRA T7 Connector 5.0 – 7.0 for Wood&Co (Java)
- Developed trading application for market making and arbitrage for Wood&Co (DolFin) (C#)
- Bloomberg connector at Wood&Co (C#)
- Frogo (trading application) (C#)
- DB of stocks with daily updates (C#, MS-SQL)
- Implemented FAST protocol between connectors, market data servers, and trading applications at Wood & Co (Java , C#)
- Business object process management implementation at Commodity Exchange Bratislava (PHP, XML)
- Portu – Wood & Co Retail platform (C#, Microsoft Dynamics, MS-SQL, Javascript, NPM, Nuxt, Vue)
- EPC – DataCenter & DataViewer
- EPC – Excel plugin (C#)

Licenses

2016 - Trader's license at Vienna Stock Exchange and Bratislava Stock Exchange

Driver license

- B (Europe) (since 2002)
- D (US) (since 2001)

Education

2000-2001 Union High School, South Carolina, USA - Graduated
1998-2003 Lutheran bilingual high school in Tisovec (EGT) – Graduated
2003-2004 Charles University, MFF, major Computer science
2004-2007 University of Economics (VŠE), Prague, major Computer science, gained bachelor's degree, Diploma thesis: Web application security
2008-2011 University of Economics (VŠE), major Cognitive science, gained master's degree, diploma: Process management of commodity exchange

Hobbies

Computers; Boy Scout; Sports – soccer, swimming, boulder



Past Experience

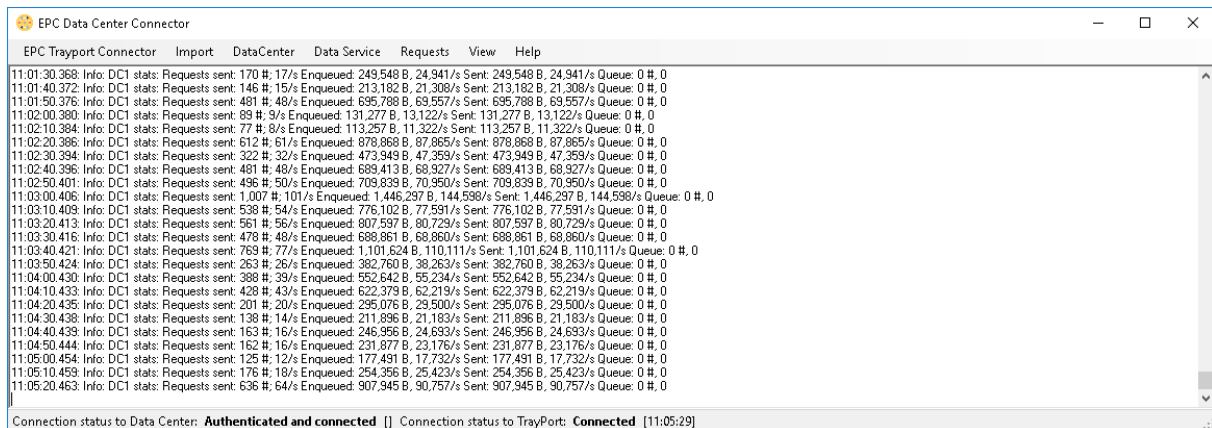
EP Commodities 09/2017-02/2019

EPC is the biggest energy trader in eastern Europe. The trading department from EP Holding is placed in Prague. EP holding owns power plants in Britain, France, Czech Republic, Slovakia, Hungary and more. It owns the pipes for natural gas and storages.

Project: Trayport connector, DataViewer, DataCenter, GasMap 09/2017 – 03/2019
C#, Async Web Services, Web Sockets, Trayport API, ASP MVC, MS-SQL, JQuery, Bootsrap, HTML

Trayport connector delivers data from energy market in real time from many exchanges – ICE, EEX, and others and manages the broker deals

The connector is C# winforms application that uses Trayport API to gather data and uses asynchronous web services to deliver them to DataCenter.



DataCenter is the server application that accepts data from third applications, stores them to MS-SQL, provides subscription management, scheduler service and delivers data to traders.

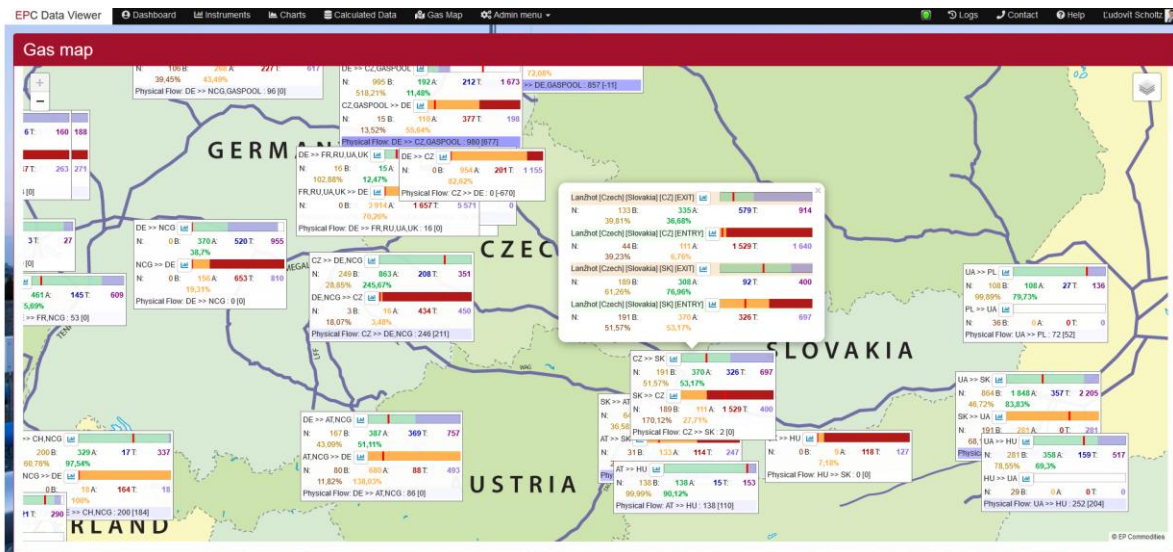
DataViewer is application that shows data to traders or managemt. Delay between the orders are placed at the exchange and shown in the DataViewers is few ms. Data for gas map are obtained from Entsog.



Charts – continuous chars, chars per instrument or chars from calculated data



GasMap – data obtained from [Entsog](#)





Project: Excel plugin

12/2017 – 03/2019

C#, ExcelDNA, RtdServer, Asynchronous WCF

Live streamed data connected from Data Center, historical snapshot, authentication, and instrument search tool provided for excel in plugin.

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Text;
using System.Threading.Tasks;
using ExcelDna.Integration;

namespace EPCExcelMarketData
{
    public class Functions
    {
        #region Functions
        [ExcelFunction(Category = "EPC", Description = "Returns the current time")]
        public static object EPC_CurrentTime()
        {
            return DateTime.Now;
        }

        [ExcelFunction(Category = "EPC", Description = "Returns the connection state")]
        public static object EPC_Live_ConnectionState()
        {
            return "Connected";
        }

        [ExcelFunction(Category = "EPC", Description = "Returns the best bid for specified contract")]
        public static object EPC_LiveData_BestBidPrice(string ContractId)
        {
            return 1.5;
        }

        [ExcelFunction(Category = "EPC", Description = "Returns the best bid volume for specified contract")]
        public static object EPC_LiveData_BestBidVolume(string ContractId)
        {
            return 100;
        }

        [ExcelFunction(Category = "EPC", Description = "Returns the best ask for specified contract")]
        public static object EPC_LiveData_BestAskPrice(string ContractId)
        {
            return 1.55;
        }

        [ExcelFunction(Category = "EPC", Description = "Returns the best ask volume for specified contract")]
        public static object EPC_LiveData_BestAskVolume(string ContractId)
        {
            return 100;
        }

        [ExcelFunction(Category = "EPC", Description = "Returns the price of last trade for specified contract")]
        public static object EPC_LiveData_LastTradePrice(string ContractId)
        {
            return 1.52;
        }

        [ExcelFunction(Category = "EPC", Description = "Returns the time of last trade for specified contract")]
        public static object EPC_LiveData_LastTradeTime(string ContractId)
        {
            return DateTime.Now;
        }

        [ExcelFunction(Category = "EPC", Description = "Returns the aggressor side for last trade for specified contract")]
        public static object EPC_LiveData_LastTradeAggressorSide(string ContractId)
        {
            return "Buy";
        }
    }
}
```

Wood & Company Investment Bank 02/2016 – 12/2018

Wood&Co is the largest East European equity brokerage bank. It manages over 13 billion CZK worth assets for its clients and is leading DMA broker in Eastern Europe.

Project: Arbitrage trader

02/2016 – 09/2016

C#, FIX

I started to work in Wood&Co as trader in Arbitrage and Market making department. I have created trading application DolFin with special algorithms and helpers to do arbitrage efficient, for example the skipping order, hidden orders, arbitrage orders, or market making orders.



Project: Bloomberg connector
C#, MS-SQL, TFS

08/2016 – 04/2018

I have fixed and maintained Bloomberg connector

Project: Bloomberg connector
C#, MS-SQL, TFS

10/2016 – 12/2018

I have fixed and maintained trading application for traders (FroGo).

Project: Data compression
Java, C#

02/2017 – 02/2017

FAST implementation of Wood internal communication between connectors, Market data servers, and trading applications

Project: T7 Connector
Java

06/2017 – 12/2018

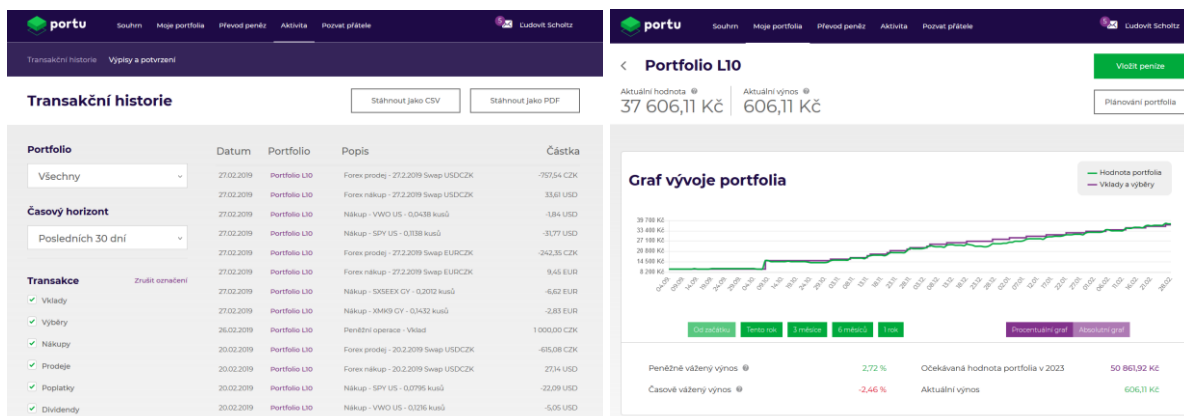
I have created XETRA T7 Connector 5.0 – 7.0. This project is running on linux servers and was written in Java. Part of this project was to create UDP Sniffer, and UDP Replayer.

Project: Portu

02/2018 – 12/2018

Backend: C#, C# Rest API, WCF, Microsoft Dynamics 365, MS-SQL
Frontend: NPM, Nuxt, Vue, HTML, Javascript, Graph.js

Portu is Wood&Co Retail project for small investors – Robo advisor. My personal involvement has increased the production beta release in months and end of beta in 6 to 12 months. Frontend runs under javascript framework Nuxt with Vue which is connected to the C# REST API. This server is connected using WCF to C# server which handles Microsoft dynamics API. Data are stored in MS-SQL. In this project I have helped mainly in API servers, Dynamics connector and Frontend, and code optimization.





Commodity Exchange Bratislava

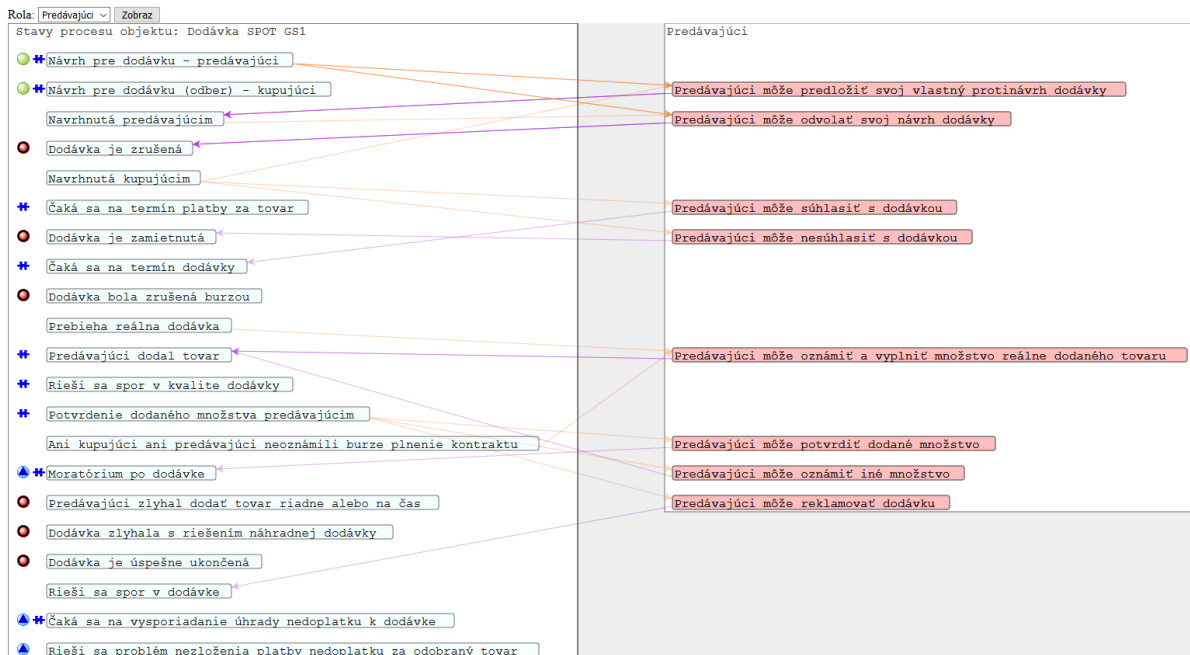
The only regulated commodity exchange in Slovakia.

Project: BOPM

01/2009 – 01/2016

PHP, MySQL, XML, Ubuntu server management

I have implemented Business object process model scheme. Connectors to the bank, EUA registry bot and many more.



Project: Globcex

01/2015 – 01/2016

Angular, PHP, MySQL

Advanced exchange system to match orders in regards of location, and delivery costs.

In this project I involved as developer and team leader.

