Petr Vitner

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SUMMARY

- Deep knowledge of **Microsoft stack:** .Net, Asp.Net, Entity Framework Core, MS SQL Server.
- **Hands-on experience** with building and maintaining applications according to client requirements.
- Evaluation of client needs, finding out the **best possible solution** that balances robustness with invested effort.
- **9 years** of professional software development experience.

EXPERIENCE

ALGO TRADING ON CRYPTO EXCHANGE | Software Developer C#

September 2024 – Present

- Building **High Frequency trading** (HFT) solution with group of friends.
- Introducing high level optimalizations to be as fast as possible (communication with exchange, efficient decision making, lower GC time to bare minimum).
- Technical Highlights:
    - Creating storage system with entire one year orderbook update data (10+TB),
    - implementing allocation free and fast ClientWebSocket (faster by 30% in comparison to native implementation),
    - trading data analysis and writing trading strategies.

CLEO FINANCE | Software Developer C#

October 2019 – July 2024

Tax accounting web tool

February 2021 – July 2024

- **Project owner** - acted as team lead managing the full lifecycle from client specs to deployment for big4 company.
- Using event sourcing pattern to save data - for auditability.
- **New skills acquired:** Process automation, CI/CD setup, Docker, new features design and estimations, and communication with a client.

Automated trading platform with microservice architecture

October 2019 - January 2021

- Created resilient connection to multiple crypto exchanges including throttling and retrying logic considering each exchange's specifics.
- Building abstraction level on top of the MongoDB driver to enable easy-to-write notation for a C# developer.
- **Tech stack:** .NET Core, React, Rabbit MQ, MongoDB, Microsoft SQL Server, Entity Framework Core.

BIZMACHINE | Junior Software Developer C#

January 2017 – September 2019 | Prague

- Created parallelized crawlers infrastructure with regular updates of database.
- Built web tool for managing sales processes and serving leads to multiple companies.
- **Tech stack:** ASP.NET, JS, Microsoft SQL Server, T-SQL, Entity Framework.

CSMV (SPORTS CENTER OF THE MINISTRY OF THE INTERIOR) | Professional athlete

September 2014 – September 2017 | Prague

- Represented Czechia in multiple international competitions as a middle-distance runner.
- **Strong discipline and regime** was must to train twice a day and run over **5000km** yearly.

EDUCATION

BRNO UNIVERSITY OF TECHNOLOGY

Faculty of electrotechnics and communication technologies

2009-2014 | Brno

- **Master's degree (Ing.)** in Informatics and communication technologies.
- **Thesis:** Installation and configuration of computing cluster.

SKILLS

TECH

- **Languages:** C# (.NET Core/ASP.NET), T-SQL, JavaScript.
- **Data/Storage:** MongoDB, MS SQL Server, Entity Framework.
- **DevOps/Tools:** Docker, Git, CI/CD, Powershell, RabbitMQ.

LANGUAGES

Czech
English