



MAREK KWITEK

*Lead Software Engineer
Project Manager*

CONTACT

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EDUCATION

MASTER OF SCIENCE Economics and Business Administration

Grade 5
University of Vaasa, Finland
09/2009 – 12/2016

BACHELOR OF ENGINEERING Information Technology

Grade 4
Vaasa University of Applied
Sciences, Finland
09/2007 – 06/2013

MASTER OF SCIENCE Computer Networks, Database Systems, Use of Technology in Industry

Diploma with Honors
Opole University of
Technology, Poland
10/2003 – 11/2008

TECHNICIAN

Electronics
Diploma with Honors
Zespół Szkół Mechaniczno-
Elektrycznych im. Tadeusza
Kościuszki, Rybnik, Poland
09/1998 – 05/2003

PROFILE

About me: A passionate software engineer with 15+ years of experience who has solid knowledge on his field and responsibility in his work.

Concepts and techniques: Full Stack Web Development, Distributed Applications, Relational & NoSQL Databases, IoT, Cloud Native, DevOps, Kubernetes, Containers, IaC (Terraform), Data Science.

Methods: Agile Development (Scrum & Kanban), TDD, Domain Driven Design.

WORK EXPERIENCE

Professional Development – German Language (CH) October 2024 – Present

Investing in advanced German language skills to complement existing professional expertise and enhance integration into the local job market. Completed an intensive B2 German course, focusing on advanced grammar, conversational fluency, and vocabulary relevant to professional contexts. Currently preparing for the B2 certification exam, with a structured study plan emphasizing both written and spoken communication.

EF Education First, Zürich (CH) 2022 – September 2024

Lead Software Engineer
2023 – Present

Leading a team of software engineers in agile methodologies, overseeing the design, development, and implementation of complex software solutions. Ensuring adherence to project timelines and quality standards while fostering collaboration and driving continuous improvement to enhance productivity and efficiency.

Senior Software Engineer
2022 - 2023

Designing and implementing resilient backend APIs to seamlessly deliver mission-critical data to front-end clients, with a strong focus on ensuring data integrity, system availability, and rapid responsiveness, all while maintaining a keen eye on cost-efficiency. Notably, the system architecture is engineered to handle heightened workloads during peak seasons, necessitating scalable solutions to sustain optimal performance under varying demands.

- C#, .NET Core, AWS (Lambda, SQS, Step Functions, Elastic Container Service, EventBridge Pipes, Managed Streaming for Apache Kafka, Aurora PostgreSQL, DocumentDB, DynamoDB, etc.), Docker, Terraform, EF Core, Python

Loepfe Brothers Ltd., Wetzikon (CH) 2021 - 2022

Software Engineer

Modernizing application development. Development of cloud native applications. Configuring CI/CD Pipelines as Code with YAML. Infrastructure as a Code with Terraform and containerized application deployment with Helm charts and Kubernetes.

- C#, .NET Core, Docker, Kubernetes, Helm, Azure, Azure DevOps, Terraform, MS SQL, EF Core, Angular

SKILLS

C#, .NET, EF Core, Dapper

AWS, Azure

PostgreSQL, MS SQL

Angular, TypeScript

SOFT SKILLS

Passionate about work

Knowledge sharing

Creative problem solving

Teamwork

Leadership

LANGUAGES

Polish Native

English C2

German B1/B2

Finnish A1

INTERESTS

Flying

Scuba Diving

Learning new skills

Travelling

Hiking

Biking

Swimming

WORK EXPERIENCE

Wapice Ltd., Vaasa (FI)

2008 – 2021

Full Stack Web Developer / Project Manager

2019 – 2021

Implementing application to support raw material procurement for global tires manufacturer.

- C#, .NET Core, Azure, ARM templates, MS SQL, EF Core, Angular

Senior Software Developer / Technical Lead / Project Manager

2018 - 2021

Implementing line of business application for recording, handling and reporting company's financial activities.

- C#, ASP.NET Core, EF Core, Dapper, PostgreSQL, R, Python, Angular, React, Docker EE

Full Stack Web Developer

2016 - 2019

Implementing mission critical application to manage highly modularize medium voltage products' data at global scale.

- C#, .NET, EF 6, ASP.NET MVC, Angular, RabbitMQ, MassTransit

Senior Software Designer

2014 – 2015

Implementing application which optimizes vessels' operations. Application developed for manufacturer of power sources for marine and energy markets.

- C#, WPF, XAML, MVVM

Senior Software Designer / Project Manager

2013 - 2016

Implementing desktop application for configuration of diesel engines used in marine and energy markets.

- C++, Qt

Project Manager

2012 – 2014

Project manager in customer's project that was part of developing hybrid seagoing ferries.

- Energy Management Systems, Control Theory, Siemens PLCs

Embedded Software Designer / Technical Lead

2011 – 2012

Implementing data acquisition and control terminal for company's own IoT solution product (IoT-Ticket)

- Embedded Linux, CAN
- Publication: Junnila, S., Pajula, R., Shroff, M., Siuruainen, T., Kwitek, M., & Tuominen, P. (2012). Design of High-Performance CAN Driver Architecture for Embedded Linux.

Embedded Software Designer / Project Manager

2008-2011

Responsible for implementation of various fieldbuses for the manufacturer of the variable speed AC drives.

- C, µC/OS, DeviceNet, EtherCAT, Profibus, Profinet, Modbus

Prima Power, Seinäjoki (FI)

Thesis work, 2016

Data Scientist

2016

Implementing proof of concept of Predictive Maintenance application for the manufacturer of the laser and sheet metal machinery. Practical part of the Master's Thesis in Industrial Management.

- Azure Machine Learning
- Publication: Kwitek, M. (2016). A Feasibility Study of Azure Machine Learning for Sheet Metal Fabrication