



Marek Polák

MSc, Ph.D.
SW & Cloud Architect

- ✉ marazt@gmail.com
- 🌐 mpolak.net
- in linkedin.com/in/marek-polak
- github.com/marazt
- 🐦 @polakmara

LANGUAGES

- Czech (Native)
- English (Professional)
- German (Intermediate)

PROFESSIONAL TRAININGS

- Driving license B
- SDLC training
- Agile development training (SCRUM)
- MS certifications (70-515, 70-516, 70-480, 70-486, 70-487)

PROFESSIONAL INTERESTS

- Fan of new technologies
- Datamining and data processing
- Distributed systems
- Automation

HOBBIES

- Sport (running, cycling, swimming)
- Travelling
- Music
- Movies

PERSONAL SUMMARY

Experienced software engineer with a scientific background and interest in new technologies. A natural sense for collaboration with team members allows for knowledge sharing as a member or as the leader. Enthusiasm for solving interesting non-trivial problems and taking responsibility for the quality, progress and delivery of a project. Looking for an interesting, suitable job to utilize experiences, contribute new solutions and products, and to keep customers satisfied.

PROFESSIONAL PROFILE

Co-founder April 2020 – Present

Mildblue (Prague, Czech Republic)

Projects & Responsibilities

- Designing and implementing of distributed cloud-based architecture and platform full-stack, mainly core backend microservices in various projects.

Projects Topics

- Applications for improvement medical processes and health industry transformation into 21st century.

SW & Cloud Architect September 2018 – Present

Blindspot Solutions (Prague, Czech Republic)

Projects & Responsibilities

- Designing and implementing of distributed cloud-based architecture and platform full-stack, mainly core backend microservices in various projects.
- Supervising junior developers.

Projects Topics

- Huge volume client data processing, analysis and presentation.
- Huge volume anomaly data processing and analysis.
- Distributed platform for optimization planning and scheduling.
- Distributed system for real-time video analysis and image recognition.
- Cloud based high availability and high performance platforms for optimization planning and scheduling.

Used Technologies

Azure Stack, AWS stack, Docker, Apache Kafka, Kotlin, Spring, .NET Core, Python, PostgreSQL, OracleDb, MsSql, Apache Spark, Git, Terraform, Kubernetes, Atlassian stack, Nvidia Jetson.

Senior Software Developer November 2016 – August 2018

RTSmunity & ESport Trading (Prague, Czech Republic)

Projects & Responsibilities

- Designing and implementing of distributed cloud-based architecture and platform full-stack, mainly core backend microservices.
- Supervising junior developers.
- Integrating of the customers, analyzing incoming data (game inputs and online trades) and mapping them to internal data warehouse processing.
- Analyzing of the new frequent business requirements based on exploring new e-sport industry.

Used Technologies

C#, ASP.NET Web API, NodeJS (with TypeScript), AWS stack, Docker, Apache Kafka, Python, Electron, ReactJS, PostgreSQL, MongoDB, Redis, Jenkins, Git, Terraform, Atlassian stack.

Co-founder, Lead developer January 2015 – October 2016

Apiwatcher (Prague, Czech Republic)

Projects & Responsibilities

- Designing and implementing of distributed cloud-based architecture and platform full-stack, mainly core backend microservices.
- Supervising junior developers.

Used Technologies

C#, ASP.NET Web API, NodeJS (with TypeScript), AWS stack, Docker, Apache Kafka, Python, Electron, ReactJS, PostgreSQL, MongoDB, Redis, Jenkins, Git, Terraform, Atlassian stack.

System Specialist June 2012 – January 2015

Commerzbank AG (Prague, Czech Republic)

Projects & Responsibilities

- Designing and implementing of the investment banking systems for profit and loss analysis. Communicating with branches in Frankfurt, New York and Singapore.

Used Technologies

C#, ASP.NET WebForms, ASP.NET MVC, WebAPI, WinForms, WPF, WCF, IIS, Sybase IQ, MS SQL, Oracle DB, JavaScript, KnockoutJS, TFS, Ninject, NHibernate, Selenium.

Consultant, Software Engineer (part-time) January 2012 – April 2012

Profinit s.r.o. (Prague, Czech Republic)

Projects & Responsibilities

- Implementing new online banking system for Česká Spořitelna (public and corporate parts).

Used Technologies

Java, Spring, JSP, JSF, Hibernate, JavaScript, Jenkins, OracleDB, SVN, Selenium.

Junior Software Engineer (part-time) July 2008 – November 2011

Ima s.r.o. (Prague, Czech Republic)

Projects & Responsibilities

- Implementing information system for entrance system.
- Implementing information system and mobile applications for payment with contact-less cards.

Used Technologies

C#, WPF, ASP.NET, MS SQL, MySQL, Java, Android platform.

EDUCATION

Ph.D. Candidate 2012 - 2017

Charles University, Faculty of Mathematics and Physics, Department of Software Engineering

Research topic: Model and data evolution and transformation automatization in complex information systems.
ORCID ID: <https://orcid.org/0000-0002-3715-4324>

MSc (Mgr.) in Software Systems 2009 - 2011

Charles University, Faculty of Mathematics and Physics, Department of Software Engineering

Thesis: XML Query adaptation.

Erasmus Exchange Program 2011

University of Portsmouth, Faculty of Technology, Great Britain

BSc. in Programming 2006 – 2009

Charles University, Faculty of Mathematics and Physics, Department of Software Engineering

Thesis: Simulation of evolution of memory usage.