

Marek Polák

MSc, Ph.D. SW Architect

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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

loT

Automatization

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

SW architect
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.

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

September 2018 - Present

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.

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.



TECHNICAL SKILLS & PROFICIENCY

	Technology	Used For	Last Actively Use
Programming Languages	.NET Family (C#, F#, WinForms, WPF, WCF, LINQ, MVC, Web API, .NET Core)	+ 12 years	
	Python (Flask, Apacha Spark)	+ 6 years	
	C++ (STL)	+ 8 years	- 3 years
	Java (Kotlin) (EE, SE, Spring)	+ 7 years	
	JavaScript (Angular, ReactJS, NodeJS, TypeScript)	+ 8 years	- 1 year
	Pascal, PHP, Haskel	+ 5 years	- 7 years
CI and Version Management	Git, SVN, TFS, Azure Devops, Atlassian stack, Jenkins	+ 10 years	
Cloud Computing Platforms	Microsoft Azure	+ 6 years	
	AWS	+ 4 years	
	Google Cloud (VM, storage)	+ 2 years	- 3 years
IDEs	Visual Studio (Code), IntelliJ Idea, Eclipse, Enterprise Architect	+ 12 years	
Platforms	Windows (since 3.11)	+ 20 years	
	Linux (Debian, Raspbian)	+ 10 years	
Additional Technologies	HTML	+ 13 years	- 1 year
	UML2	+ 10 years	
	XML technologies	+ 12 years	
	Terraform, Ansible	+ 5 years	
	Docker	+ 5 years	
	MQs (Kafka, RabbitMQ, ASB)	+ 5 years	



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.