

Mariusz Krzanowski

Poland / Warsaw

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Date of birth: 1977-01-16

Quick summary

Software developer since 1999 with experience in enterprise-class system development from initial concept to successful release. Since 2005 focused on .NET technologies, web applications and software development methods in particular.

Programming Languages:

C#, SQL, Java Script, HTML, CSS, XML, XSLT, various Java Script frameworks

Tools:

Visual Studio, MS Azure, Subversion, Git, MS Visio, MOSS, BizTalk, CCNet, NuGet, Bamboo, Jira, VSTS, Kubernetes

Other tools and technologies:

Google Apps and Chrome Extensions (development), SharePoint 2007 & 2010 (administration and development), NServiceBus, Azure Service Bus, Azure Event Hub, CQRS, DDD, ES, DevExpress, Telerik, Janus, WCF, WF, Silverlight, SPA, MVC, MVVM, SOLID, Design Patterns, Dependency Injection, Mocks, Stubs (e.g. smtp4dev), Hyper-V, VMWare and a lot more.

Operating systems:

Windows, Linux, Unix (Solaris) – at university.

Industry knowledge:

- Identity Management System
- Finance (factoring systems, e-commerce platforms)
- Resource Planning
- Telecommunications (Call & Contact Center)
- Audiology (hearing loss)

Major skills

- Strong skills in system analysis and design. Design of systems with various complexities, from simple ones using few components to scalable multi-service systems based on SOA and ESB.
- Active implementation of multiple programming languages. Object oriented C#, data-oriented SQL, declarative languages XSLT, functional languages, Java Script and others.
- Knowledge of Agile/Scrum software development methodology with related concepts such as extreme programming, test-driven development and continuous integration among others.
- Knowledge and wide utilization of design patterns.
- Flexibility and efficiency in learning modern technologies.

Project experience

06.2020 – 11.2022

SoftwareONE – Warsaw

Position: Senior Software Developer / Technical Team Leader / Associate Architect

Team size: 4-8 people / last 14 months around 30 peoples on average

Role description: In SoftwareONE I helped in maintenance of existing projects. After a few sprints I was actively involved in the design and development of a new solution based on the Azure technological stack. For the last 14 months I have actively participated in architecture design and decision making for a distributed system with required 99.99 availability.

Technologies used:

.NET (Core 3.1, 6.0), MS SQL, GIT, VSTS, MS Azure stack, Kubernetes, GraphQL, Miro, Confluence, DDD, ES

04.2018 – 06.2020

Demant Technology Centre – Warsaw

Position: Senior Software Developer

Team size: 6-19 people

Role description: In DTC I maintained and developed of hardware abstraction layer. This layer is responsible for communication between hearing aids and other applications. I was involved in solution migration from PCL to .netstandard2.0. I was involved in design and development of solutions based on Azure technological stack.

Technologies used:

.NET C# from 4.5 (WPF, Xamarin for Android and iOS), Bluetooth Low Energy API, XSLT, GIT, JIRA, MS SQL, MS Azure stack, Azure Storage, IFTTT, Kubernetes

10.2016 – 12.2017

Sabbatical & Travel – The world

In 14 months we travelled to South America, New Zealand, Australia, South-East and Central Asia and North Africa. Over 20 countries visited in total.

12.2012 – 10.2016

eConsulting Sp. z o.o. (contractor at ROCHE) – Warsaw

Position: Senior Application Engineer / Team Leader / Solution Architect

Team size: 2-20 people

Role description: During my 4-year experience at ROCHE my teams delivered over 12 projects to production. Projects in which I participated were both small (ca. 100 users) and large scale (over 100k users); some of them with 24/7 availability. They covered business areas such as Identity Management, Software Installation Automation, CMS, Automatic questionnaires builds, Reporting Systems.

At eConsulting I was responsible for verifying technical knowledge of new job applicants and coordination of .NET technologies team. I was also a teacher/mentor for SharePoint 2013 development and administration.

Technologies used:

.NET C# all frameworks from 1.1 to 4.5 (MVC, WinForms, Silverlight), WMI, SCCM, NHibernate, Entity Framework, Oracle Database, MS SQL 2008R2 - 2012, XML/XSLT, JSON, AJAX, JQuery, AngularJS, Type Script, Sub Version, GIT, Google Apps, Google Chrome Extension, Share Point, Bamboo, Jira, Sonar

2005 – 12.2012

Infoprojekt Sp. z o.o. - Gdańsk

Position: Software Architect

Team: 4-6 people

Role description: At Infoprojekt I was one of the core employees. I was responsible for design of new applications as requested by our clients. The goal was to deliver solution on time using available technology - sometimes implied by client, sometimes chosen by us. All applications which I designed were successfully delivered to production. For internal use I designed and delivered Continuous Integration / Deployment Platform. My role also involved preparation of internal trainings on good practices, Software Architecture and distributed programming as well as informal mentoring of less experienced colleagues.

Technologies used:

.NET C# all frameworks from 1.1 to 4.0 (ASP, WinForms, Silverlight), Windows Communication Framework, Windows Workflows, Microsoft Business Rule Engine, Share Point 2007 / 2010 (administration and development), NServiceBus, Spring.NET, NHibernate, Microsoft Message Queuing, Distributed Transaction Coordinator, Entity Framework, MS SQL 2000 – 2008R2, XML/XSLT, JSON, AJAX, JQuery, BizTalk, Source Safe, Sub Version, Oracle (queuing).

2003-2005

Proma Telecom Sp z o.o. – Gdańsk

Position: IT Specialist

Team: 3 people

Role description: Proma is a company responsible for delivering PBX solutions. My main task was to support sales team of Call & Contact Centre solution. I have deployed Oke Comunicator IVR in Nokia Poland. Another key task was to integrate internal departments via VPN and SIP (VoIP). I was also training a team of new programmers.

Technologies used:

Oke Communicator Call & Contact Centre Platform, C++, Linux, Apache, PHP, MySQL, OpenVPN, SIP Server

1999-2003

OKE Software & Communication Poland Sp. z o.o. – Gdańsk

Position: Software Developer

Team: 5 people

Role description: OKE was a software company delivering complex Call Centre solutions. Initially, I was responsible for software development. A year after joining OKE, my role was extended to design and delivery of new solutions.

Technologies used:

C++, Java, MS SQL 7.0 - 2000, MySQL, Java Script, HTML, DOM, Source Safe, Install Shield, IIS, Apache.

Additional freelance projects

2010-2011 (5 months)

Welzman Sp. z o.o. – Gdańsk

Position: Contractor

Project: Application for territory data analysis.

Technologies used:

C#, DevExpress, Tatuk GIS, Vista DB, Google API (geocoding).

2005-2006 (9 months)

SOFTICO – Gdańsk

Position: Contractor

Projects: Application for medical clinic management.

Technologies used:

MySQL, Apache, PHP, Linux, .NET – Win Forms.

2005-2006 (7 months)

Cemet – Gdańsk

Position: Supplier

Team: 3 people

Projects: Web based application for management of construction projects and inventory turnover in a warehouse.

Technologies used:

Linux, Apache, PHP, MySQL

2005-2006 (6 months)

DEL-TECH Sp z o.o. – Gdynia

Position: Contractor

Projects:

- Application facilitating collection of spare parts for ship servicing.
- Application for medical clinic management.

Technologies used:

C++, FireBird

1998 (6 weeks)

Gdańsk University of Technology

Position: UNIX and LINUX systems administration – internship (6 weeks)

Tasks:

- Preparation of administration scripts for computer laboratories.
- Installation of UNIX system (Solaris) on laboratory computers.

Technologies used:

UNIX (Solaris), Linux

Education¹

1996-2001

Faculty of Electronics, Telecommunications and Computer Sciences

Specialty: Parallel Computing

Gdańsk University of Technology

Professional courses / certificates

- Windows Communication Foundation
- Advanced SharePoint 2007 Development
- Microsoft SQL Data Mining
- Management of project using Microsoft Solution Framework
- Microsoft Technology Summit for 6 years
- [Advanced Distributed Systems Design using SOA & DDD](#)

Note: I spend over 100 hours per year participating in conferences and watching on-line courses.

Publications and public talks

- Blog: Decoding the code (<http://mrmatrix.net>)
- GitHub: (<https://github.com/MariuszKrzanowski/>)
- YouTube: (<https://www.youtube.com/@mr-matrix-net>)
- [PL] Warsaw .NET Group Meetups:
 - Single Queue Story (https://www.youtube.com/watch?v=KgdFq7Oi_8A)
 - Aborted == Committed? (<https://www.meetup.com/WG-NET/events/248767363/>)
 - (Un)forgotten XSLT - The tool you always have, but you afraid to use. (<https://www.meetup.com/WG-NET/events/254579085/>)
 - IoT on Premises (<https://www.meetup.com/WG-NET/events/268529994/>)
 - [PL] Asynchronous Intuition (<https://www.youtube.com/watch?v=sYopKK2qcyS&t=1157>)
- [PL] Warsaw IT Days Conference (Warszawskie Dni Informatyki) (<https://warszawskiedniinformatyki.pl/>)
 - [PL] WDI 2019 - Traps in distributed systems. A stitch in time saves nine. (<https://www.youtube.com/watch?v=PuxRTKOxRAU>)
 - [PL] WDI 2021 - IoT on Premises. (<https://www.youtube.com/watch?v=nzMasSxwSw4>)
 - [PL] WDI 2022 - Actor Model based on Azure Service Bus (<https://www.youtube.com/watch?v=Fu-S0r-3ypI>)

Language Skills

Polish (native), English (conversational)

¹ No master degree