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Summary

Overall 15+ years of experience in software development and software engineering. I have worked in various projects which were created for many industries: restaurants & hotels, recruitment and HR, financial information bureaus, investment banking, insurances.

- Extensive knowledge of C# language
- Strong experience in SQL like databases (mostly MSSQL)
- Decent knowledge of HTML & CSS3 + Javascript/Typescript
- Broad knowledge of Software Development Best Practices & comprehensive knowledge of OOP, SOLID, DI, CI, Unit Testing, Integration Testing
- Strong with problem solving
- Good understanding of Agile Methodologies (Scrum / Kanban)
- I am very motivated engineer which love to learn new technologies, methodologies and approaches to software delivery

What am I looking for

I am looking for new professional possibilities to thrive further in topics like Angular or React, Azure/AWS.

Technical skills

More than **13 years of aggregated C#** experience and more than **3 years of C++** experience. Around **6 years of accumulated ASP.NET MVC** experience and **a few months of experience with Angular6/7+**. More than **8 years** of experience with **Agile (Scrum, Kanban, Water-Scrum-Fall)**. More than **1 year** of experience with **Xamarin**. Around **2 years** of experience with **Azure** and a bit more than **6 months** of experience with **Dynamics365** and **Dynamics365 AX**.

- Programming languages: C++, C#, HTML/CSS/Javascript, TypeScript, PHP
- Databases: MsSQL, Sybase, Oracle, MongoDB, MySQL, DynamoDB
- Tools: SVN, Visual Source Safe, TFS, Mercurial, Git, Visual Studio, Visual Studio Code, Borland C++ Builder, Azure, Wordpress, AWS, Dynamics365, Dynamics365 AX

Employment/Projects History

mySafety Försäkringar AB (Sweden & Finland - Europe)
Role: Senior Software Engineer/Tech Lead

December 2019 – Now

Project: mySafety

The purpose of this system is to manage IT security insurances. Main purpose of the system is to handle insurance packages, like documents protection, life insurances, job loss insurances and many more. This system works in Sweden, Norway, Finland and Poland.

Responsibilities:

- Analysis of client's needs and its translation to technical solutions
- Changes in existing code base to fulfill client's expectations
- Testing the application by using exploratory tests, unit tests, component test and integration test
- Code review for changes made by team members
- Knowledge transfer with other, less experienced team members
- Contact with users of the app and gathering their requirements or problems
- Design of the system architecture along with architecture of each component
- Design and implementation of libraries used by other applications (mainly connectors to Dynamics 365 OData resource)
- Review of PR done by other team members
- Setting up CI/CD pipelines
- Releases of the application/applications to production environments

Technologies/skills/methodologies: C#, Jira, BitBucket, TeamCity, MSSQL, RPC over HTTP, REST, CI, CD, SOLID, DRY, KISS, DI (Autofac, .Net Core DI), RabbitMq, PowerShell, Net Core 3.1, EDA, Net Framework, Azure, AzureDevops, Kibana

Key achievements:

- Introduced an anti corruption layer to communicate with Dynamics by OData protocol which is a first step to replace a direct reference to this resource while the second step will be to use wrapper API service to physically separate OData logic and infrastructure from the all system's components
- Increased team's members knowledge and awareness of thread-safety and typical threading issues in .Net along with knowledge about performance bottlenecks in algorithms created in the company
- Improved performance which reduced execution time of some jobs (aka BatchJobs) from hours to seconds which resulted in less production issues and ability to rerun those jobs in case of any issue
- A successful takeover of solutions delivered by another consulting team. The solutions were supposed to handle Dynamics365 and Dynamics AX combined with the old system (which is still in use)

Credit Suisse Poland Sp. z o.o. (Poland, Europe)
Role: Senior Software Engineer

April 2019 – November 2019

Project: MySTT

The main goal in our team was to migrate the Silverlight version of an app to the Angular version, which required exposing new backend functionalities and refactoring old ones. The application was called MyStt - which is an abbreviation for "My Special Terms and Tariffs" which were applied to the bank's most valuable clients.

Responsibilities:

- Analysis of changes requested by the business (for example RateSet Concept - in which the idea is to accelerate RateSet renewal process for existing bank's clients)
- Implementation of solutions in the existing codebase and creation of new functionalities (changes related to migration from Silverlight to Angular application and new functionalities like RateSet Concept)
- Testing the application - exploratory tests after each change (functional and bug fixes) and unit tests to coverage code introduced during sprint/iteration
- Code review for changes made by team members

Technologies/skills/methodologies: C#, Silverlight, Jira, TeamCity, SVN, Confluence, MSSQL, RPC over HTTP, Agile/Scrum, CI, CD, SOLID, DRY, KISS, DI (Unity Container)

Key achievement:

Plan for dividing the existing application into business use-cases to fulfill expectations in tandem with technical quality assurance which will lower the development cost and in turn will bring part of the migration to part of the bank sooner (instead of big-bang) and will lower further maintenance expenses.

Unit4 Polska Sp. z o.o. (Poland, Europe)
Role: Senior Software Engineer & Technical Team Leader

February 2018 – March 2019

Project: Student Management

The team I was a part of was responsible for delivering new functionalities to existing U4SM applications (it stands for Unit4 Student Management - a student management system designed to manage all processes in any university in the US, UK or worldwide).

Responsibilities:

- Assuring solutions quality by unit tests, automation tests, exploratory tests, and manual tests
- Development of new functionalities (like ID Generation & Re-Enrollment) based on documentation discussed and agreed with solution architects, business analysts, and product owners
- Knowledge sharing sessions included own team members and members of other teams working with the project
- Reviewing code created and maintained by all the teams involved in this project

Technologies/skills/methodologies: C#, ASP.NET MVC, Razor MVC, MSSQL, TFS, Water-Scrum-Fall, CI, SOLID, DRY, DI (Autofac), nHibernate

Key achievements:

- Successful delivery of functional changes like ID Generation (change for allowing a user to define how IDs should be generated for various objects) and Re-Enrollment

(this allows a student to enroll to a new year's study through a portal prepared especially for them)

- Sharing my knowledge and experience with team-members through knowledge sharing sessions helped them to improve their seniority level and allowed them to create code with higher quality rates

Credit Suisse Poland Sp. z o.o. (Poland, Europe)
Role: Senior Software Engineer

May 2015 – September 2017

Project: Phoenix

The main purpose of me being involved in this project was to deliver changes in the existing applications (P&L, Workbench, Trader - these apps existed only to support stockbrokers with their work) which eventually were replaced by Leversys application.

Responsibilities:

- Changes in the existing codebase to fulfill the main purpose - decommission of existing applications
- Analysis and implementation of changes required by stockbrokers
- Maintenance of the whole system (fixing and explaining bugs reported by stockbrokers)

Technologies/skills/methodologies: C#, .NET, WCF, MongoDB, EMS Messaging, AngularJS, OracleDB, SybaseDB, Agile/Kanban

Key achievements:

- Reduced project expenses (around 50k GBP monthly) by removing the legacy connection to SMD (Security Master Database) and replacing it by a connection to FireFly
- Successful adjustments in the existing apps to inline their functionalities with Leversys application
- Delivery of a new component (called Turtle) to eliminate gaps between internal Credit Suisse systems which were available in the Leversys application

Krajowy Rejestr Długów
Biuro Informacji Gospodarczej S.A. (Poland, Europe)
Role: Senior Software Engineer / Software Engineer

June 2011 – April 2015

Project: KRD

I was a part of a bigger team whose purpose was to further develop and maintain KRD's core systems which were (and still are) used to maintain the biggest Polish database with information about unpaid consumers and companies' obligations.

Responsibilities:

- Contacting internal clients and gathering requirements about the required change for instance with Delis microservice, whose sole purpose was to handle assigning invoices and payments according to accounting rules within the company.
- Implementing functional changes and the creation of new microservices according to needs like Jenkins microservice - its purpose was to handle CRUD operations about possible unpaid obligations and signaling other parts of the system about changes made.
- Testing: unit tests (the internal requirement was to each new application to have code coverage between 95-100%) and manual tests
- Code reviews (done as pair code review before each commit has been done)

Technologies/skills/methodologies: C#, WCF, nHibernate, Entity Framework, MVC, jQuery, HTML, CSS, microservices, MSSQL, WPF, SVN, Mercurial, Agile/Scrum, CI, DI, SOLID, KISS, DRY

Key achievement:

Successful deliveries for almost 4 years of my cooperation with the company. Each delivery was done after each sprint (it was almost always possible) and during my time spent there, there were no failed releases. And most of them were done without stopping the system (hot release).

Pyton Management Sp. z o.o. (Poland, Europe)
Role: Developer

June 2010 – May 2011

Project: Falcon e-proposals

In this project, I was responsible for creating a whole new module for a software that was used to help with the recruitment process.

Technologies: .NET, C#, ASP.NET, HTML, CSS, JavaScript, MSSQL

QuadSoft Rafal Kozlowski – Freelance (Poland, Europe)
Role: Software developer

July 2009 – May 2010

Various Projects:

1. Fishing

The application estimated the best possible time to go fishing based on moon phases and fish type.

2. ShareIt Payment

Payment provider plugin written in PHP, JavaScript, and HTML.

3. Automotive

An application which aim was to show the nearest points that driver might be interested in based on his choice made on a touch screen.

4. Hydral HR

A small project whose goal was to ease HR department processes related to report generation for government facilities like Tax Office and Social Insurance Institution.

Technologies: C++, C#, PHP, SVN, Silverlight, MSSQL, MySQL, FirebirdSQL

Pyton Management Sp. z o.o. (Poland, Europe)
Role: Software developer

October 2007 – June 2009

Project: Falcon

A project whose goal was to help with the recruitment process by maintaining recruitment funnels, vacancies, and candidates.

Technologies: C#, ASP.NET, MSSQL, Visual Source Safe, PHP, JavaScript

Nop DR Sp. z o.o. (Poland, Europe)
Role: Software developer

May 2004 – September 2007

Project: ExPos & ExStore & Fiscal Printers

This project aimed to help maintain all processes (sales, reports, warehouse calculations, and many others) in restaurants. It contained two big applications (ExPos – Extended Point Of Sale, ExStore – Extended Store) and a few smaller satellite projects used to communicate with fiscal printer devices.

Technologies: C++, FirebirdSQL

Key achievement:

As the only developer in the company, I fully designed and developed all previously mentioned applications which were used by various restaurants. These applications are still used in a few places.

Most Important Pet Projects & Part Time Jobs

QuadSoft Rafał Kozłowski (Poland, Europe)

January 2021 – Now

Project: all-it.jobs

A job posting platform which gathers job offers from different portals to show them in one place along with other functionalities as applying automatically for the offer, preventing the user to send its resume to the same offer from a different source, detecting duplicated offers from various platforms and calculating probable wages if not given directly. Application is still in its early stage so who knows what functionalities it'll bring :)

Responsibilities:

- Analysis of the most annoying part of the recruitment from the candidate and the employer view
- Implementation of backend functionalities in Azure (Azure Functions, Azure Container Instances, Application Insights, Azure Service Bus)
- Implementation of UI functionalities in React
- Design of the system architecture based on serverless concept
- Test of implemented functionalities along with unit and integration tests where relevant

Technologies/skills/methodologies: C#, .Net Core 3.1, Azure, MSSQL, SOLID, KISS, DRY, Docker, React, CI/CD

QuadSoft Rafał Kozłowski (Poland, Europe)

October 2019 – May 2020

Project: Social Automater (this is working title so far) - **Suspended at the moment**

An application which purpose is to enable users to keep their Facebook & LinkedIn accounts alive, throughout performing daily tasks on their accounts in a fully automated way. These actions include removing comments generated by bots, responding to most generic comments and generation of content (post) in a fully automated manner. And this has to be done on a daily basis.

Responsibilities:

- Analysis of the most time consuming daily tasks influencers has to do each day
- Implementation of backend functionalities in AWS
- Implementation of UI functionalities in Angular
- Design of the system architecture based on serverless concept
- Test of implemented functionalities

Technologies/skills/methodologies: Node.js, Angular, AWS, DynamoDB, SOLID, DRY, KISS, CI, AWS Lambda, AWS Api Gateway (in Node.Js)

QuadSoft Rafal Kozlowski (Poland, Europe)

October 2017 – January 2018

Role: Owner

Project: Personal Blog

A very short project whose aim was to create a whole platform to share knowledge and interesting information about time & money management.

Responsibilities:

- Creation of the whole page content (texts and related graphics in relation to how to manage time and money in personal context)
- Web page optimisations to keep the page loading fast and keeping Google's SEO index at a proper level (including improvements in HTML, CSS, PHP, and MySQL)
- Marketing actions on Facebook (fan page maintenance and paid adverts)
- Integration with external systems like dotpay.pl (Polish payment provider) and getresponse.pl (mailing system)

Technologies: Wordpress, PHP, HTML, CSS, MySQL

Minicabs Online Limited - CabZit (UK, Europe)
Role: Senior Software Engineer & Co-owner

October 2016 – July 2018

Project: CabZit

This startup fulfills a gap for minicab offices in the UK. Uber didn't service these minicab offices as they aren't in line with the UK's law regulations and requirements related to big taxi offices. This project consists of an application for the driver (mobile app, the operator's web app, and a client's app - mobile and web version).

Responsibilities:

- Research of clients' needs and its analysis, including the impact on the application from code and functional perspective e.g. "Mass Driver Registration" functionality for easing the process of introducing new drivers
- Implementation of functional changes like "Mass Driver Registration" required by the app and clients
- Unit tests of code always written during implementation, exploratory tests of iOS, Android and Web applications
- Code reviews each time any of our team-member makes a commit (I was informed about each change by automatic email)
- Hiring & managing people inside this project

Technologies/skills/methodologies: C#, ASP.NET MVC, Razor MVC, Azure, MSSQL, Xamarin, Agile/Kanban, TeamCity, Jira, DI (Autofac), SOLID, DRY, KISS, CI, People Management, RPC over HTTP

Key achievement:

The project was released successfully and used by a few clients in London.

Educational Qualifications

2005-2009 - Academy of Management And Computer Science "Copernicus" in Wroclaw
Specialization: "**Computer Science**", Emphasis: "Systems Engineering"

2000-2005 - Technical College, Electronic Institute of Science In Wroclaw (EZN)
Specialization: "**Electronic engineer**", Emphasis: "**Microprocessors**"

Languages

- **Polish** – Native
- **English** – Advanced (C1 - IELTS Certificate)

Hobbies

Scuba diving, biking, running, programming, playing chess, traveling