

www.CodeAndDrive.com in tomaszsulkowski

 ${\sf R}^{\sf G}$ tomasz sulkowski

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EXPERIENCE

08/2022 - Present

Senior software engineer

Dualog

· Development of Dualog Move (.NET, MassTransit over RabbitMQ, Azure S3 and SQS)







08/2016 - 07/2022 Advanced senior software engineer & Product owner

- · Product and team management of web labeling tool (Jira, Git, Azure, Docker)
- · Development of web labeling tool (Typescript, Angular, Node.js, MongoDB)
- · Expansion of CARLA simulator to aid development of AI-related technologies (Python, UE4, CARLA, NumPy, Numba, Pygame, OpenCV)
- · Managing a team of 5 developers

Technologies





Senior software developer & Team leader

Aptiv / Delphi

- · Design and development of automatic lane pre-labeling tool (C++ 14, OpenCV)
- · Design and development of various internal applications: desk and parking space assignment, shuttle bus tickets

(.NET 4.5, ASP.NET MVC, EF, WinForms, Xamarin)

- · Development of ORCAS Data visualization tool (.NET 2.0/4.5, WinForms, Rx)
- · Mentoring a team of 3 .NET developers

Technologies used:



.NET ASP.NET XAMARIN

Senior .NET developer

Low cost travel group

- Design and development of Merlin property management solution (ASP.NET Web API, MongoDB, AngularJS, Solr, JustMock)
- · Design and development of Connectivity API OTA property channel manager (.NET 4.5, Kafka, Cassandra, ASP.NET Web API)
- Recruitment of .NET developers











10/2014 - 06/2015

Software developer

Sabre

- · Development of FormatFinder / eServices portal (ASP.NET 4.5, Sitecore, Oracle DB, Solr)
- Maintenance of legacy agency eServices project (ASP.NET 1.1, Oracle DB)

Technologies







12/2012 - 03/2014 (Additional job)

.NET developer

· Development of GTS - internal time/resources manager (.NET 4.0, Silverlight 4, EF 4, MSSQL)







11/2010 - 09/2014

Software developer

· Development of Phoenix CMS (.NET 4.5, Quark QXPS+QPP, XSLT, MSSQL)

· Development of Connect iPad client (obj-C, Xamarin)

· Development of Castle/Connect information portal (ASP.NET MVC 4, MSSQL, NHibernate, Rhino Mock)

 Development of ContentTool system (.NET/ASP.NET 3.5, MSOffice Interop, MSSQL, XSLT)

Technologies used NHIBERNATE MSSQL









02/2010 - 08/2010 .NET developer

· Design and development of automatic stock market playing system (.NET 4.0, WCF, WF 4, MySQL)

Technologies used:







10/2009 - 02/2010 .NET developer

- · Development and maintenance of policy continuation project (.NET 2.0, WF 4, WCF, MSSQL 2008)
- · Development of cPortal project for Compensa (ASP.NET 3.5, MSSQL 2008)
- · Development of Ewium project for Vienna Finanse (ASP.NET 2.0, MSSQL 2008)

Technologies used:

NET ASP.NET WF WCF MSSOL











06/2008 - 08/2009 .NET developer

ITIGO Sp. z o.o.

- Development and maintenance of Petrostation project for Lotos (.NET 2.0, WPF, WCF)
- · Development of iPegaz project for Hestia (ASP.NET 2.0, MSSQL 2005)
- · Development of fuel station service project (.NET 2.0, DevExpress XAF)
- · Development of MOLP and Itigo licences portal project (.NET 2.0, DotNetNuke, DevExpress XPO)

Technologies .NET WPF WCF MSSQL







C.A.R. Board

- · Development and design of ArchivelT (.NET 2.0, WinForms)
- Development and design of MarsMultiMonitor (Borland C++ Builder, DB2)

Technologies NET WINFORMS





EDUCATION

2017 - 2023

PhD in Computer Science

Silesian University of Technology

- · Doctoral thesis: Implementacja algorytmu autonomicznej jazdy w symulowanym ruchu ulicznym (Autonomous driving algorithm implementation in simulated traffic)

Autonomous Driving Using Fluid Flow Simulation (2022) 8

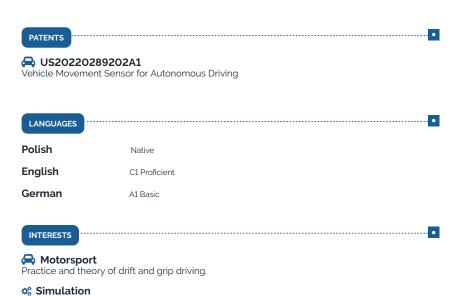
Dynamic Trajectory Planning for Autonomous Driving Based on Fluid Simulation (2019) % In Search of the Ultimate Autonomous Driving Simulator (2018)

2003 - 2008

MSc in Computer Science

University of Gdańsk

- · Master's thesis: Symulacja ruchu ulicznego (Traffic simulation) TrafficSym github repository %
- · Modules included: Mathematical Analysis, Discreet Mathematics, Combinatorics, Software Engineering (Including Object Oriented Theory), Information Systems and Database Technology, Networks and Communication Systems, Operating Systems, Systems Architecture, Artificial intelligence, Parallel computing



Ability to experiment without complex preparations and high costs.

Artificial intelligence

Simple concept that solves complex problems.