

# VANHECKE MARIO

## PERSONAL DETAILS

**Name**  
Vanhecke Mario

**Email**  
mario@devchild.com

**Date of birth**  
22/07/1981

**Gender**  
Male

Seasoned **.NET Developer** and **Team Leader** with over 18 years of hands-on experience designing, building, and optimizing software solutions across diverse industries—transport, sales, utilities, warehousing, HR, portfolio management, mobile applications, and more. Adept at **C#** and **VB.NET**, with a proven track record in **leading cross-functional teams**, driving **Agile/Scrum** processes, and delivering full-stack solutions from concept to deployment. Valued by peers and stakeholders for **dedicated, focused, and precise** work, and recognized for **strong communication** and a **collaborative**, people-centric leadership style. Passionate about continuous learning and applying best practices in both **DevOps** and **software architecture**, while remaining a socially engaged professional who brings added value to every organization.

### Key Skills

- Languages & Frameworks:** C#, VB.NET, .NET (Framework/Core), ASP.NET, WPF, WinForms, WCF, gRPC, Entity Framework, nHibernate
- Front-End & Web:** Angular, TypeScript, JavaScript, HTML5, CSS, jQuery, Razor, SharePoint Client Object Model
- Cloud & DevOps:** Amazon EC2, Azure, Git, TFS, BitBucket, Bamboo, Continuous Integration (CI), Continuous Delivery (CD), Desired State Configuration (DSC)
- Databases:** SQL Server, Oracle, EF, SQL Replication
- Methodologies:** Scrum Master, Kanban, Agile, GitFlow
- Other Tools & Tech:** Visual Studio (2003–2019+), CodeSmith, TOAD, SourceSafe, ClearCase, Subversion, TFS
- Soft Skills:** Team Leadership, Architecture & Design, Stakeholder Management, Communication, Problem-Solving, Mentorship

## WORK EXPERIENCE

**Developer** Apr 2024 - Present  
DevChild, Oostende

### Project: Cyberlink ArchitectProject Overview

- Developing a WPF application that automatically transforms ERD diagrams into code using customizable templates, significantly accelerating the design-to-implementation phase.

### Key Responsibilities

- Designed and implemented a t4 inspired templating engine to convert ERD diagrams into .NET code.
- Integrated DevExpress controls for diagram manipulation and user experience.
- Ensured cross-platform compatibility and maintainable code generation workflows.

### Technologies & Tools

- WPF, DevExpress, YAML, .NET Core, Mono .NET

SKILLS

|                         |       |
|-------------------------|-------|
| Communications          | ●●●●● |
| Algorithms              | ●●●●● |
| Architecture            | ●●●●● |
| Agile                   | ●●●●● |
| Kanban                  | ●●●●● |
| Team Leadership         | ●●●●● |
| .Net                    | ●●●●● |
| .Net Framework          | ●●●●● |
| Angular                 | ●●●●● |
| Artificial Intelligence | ●●●●● |
| Bamboo                  | ●●●●● |
| BitBucket               | ●●●●● |
| C#                      | ●●●●● |
| C++                     | ●●●●● |
| Continuous Integration  | ●●●●● |
| DevExpress              | ●●●●● |
| Entity framework        | ●●●●● |
| Git                     | ●●●●● |
| Jira                    | ●●●●● |
| Microsoft SQL Server    | ●●●●● |
| Visual Studio           | ●●●●● |
| nHibernate              | ●●●●● |
| oracle                  | ●●●●● |
| SQL                     | ●●●●● |
| Scrum                   | ●●●●● |
| Software Design         | ●●●●● |
| Subversion              | ●●●●● |
| Toad                    | ●●●●● |
| Typescript              | ●●●●● |
| VB.NET                  | ●●●●● |
| Webapi                  | ●●●●● |
| WCF                     | ●●●●● |
| WinForms                | ●●●●● |
| Windows Mobile          | ●●●●● |
| wpf                     | ●●●●● |

LANGUAGES

|         |       |
|---------|-------|
| Dutch   | ●●●●● |
| English | ●●●●● |
| French  | ●●●●● |

Backend Developer

Apr 2020 - Apr 2024

Unilin, Wielsbeke

Project Overview

- Led backend development for a CNC control system leveraging computer vision to dynamically adjust saw blades, ensuring precision cutting and improved production efficiency and quality.

Key Responsibilities

- Designed and implemented core features using **C#**, **Entity Framework**, and **gRPC** with **Protobuf** to enable high-performance communication between system components.
- Collaborated within a 4-person team, occasionally assisting with **C++** and **Angular** frontend tasks to ensure end-to-end feature delivery.
- Optimized system performance and reliability by implementing best practices, continuous refactoring, and thorough code reviews.

Technologies & Tools

- **C#**, **C++**, **Entity Framework**, **gRPC**, **Protobuf**, **Computer Vision**, **OpenCV**, **Angular**

Full Stack Lead Developer

Jun 2019 - Mar 2020

Novasoft, Brugge

Project Overview

- Led the development of an online order-management, finance, and planning platform built using Angular 8 (front end) and .NET Core WebAPI (back end).

Key Responsibilities

- Oversaw full-cycle feature delivery, ensuring alignment with scope, budget, and timeline.
- Contributed hands-on to both front-end (Angular 8, TypeScript) and back-end (C#, .NET Core, EF Core) development.
- Collaborated with stakeholders to provide regular project status updates, manage expectations, and gather requirements.

Technologies & Tools

- **C#**, **.NET Core**, **WebAPI**, **Entity Framework Core**, **Angular 8**, **TypeScript**, **TFS**, **Git**, **Azure**

Full Stack Developer

Sep 2018 - Jun 2019

ArcelorMittal, Gent

Project Overview

- Building an end-to-end logistics system that manages all transport operations for European mills.

Key Responsibilities

- Develop and maintain both front-end (**TypeScript**, **CSS**) and back-end (**C# 6**, **EF6**) components.
- Implement new features and enhancements, ensuring seamless data flow between application layers.
- Collaborate with cross-functional teams to refine requirements and deliver robust, scalable solutions.

Technologies & Tools

- **C# 6**, **WebAPI**, **EF6**, **Angular 5–7**, **TypeScript**, **TFS**, **Git**

## Scrum Master & DevOps Engineer

Jul 2016 - Sep 2018

MIVB, Brussel

### Project Overview

- Implemented **continuous integration (CI)** and **continuous delivery (CD)** practices across multiple teams, improving deployment speed and reducing errors.

### Key Responsibilities

- Served as **Scrum Master** for a 6-person development team, facilitating Agile ceremonies and promoting cross-functional collaboration.
- Contributed to specialized development tasks (e.g., hardware integration) while overseeing sprint planning, backlog refinement, and retrospective meetings.
- Gained expert proficiency in **Jira**, **Bitbucket**, **Bamboo**, **GitFlow** workflow, and **Desired State Configuration (DSC)** to streamline development and deployment processes.

### Technologies & Tools

- WinForms, WPF, WCF, C#, Oracle, Visual Studio 2015–2018, Jira, Bitbucket, Bamboo, Git, DSC

## Senior Software Developer

Sep 2015 - Jul 2016

IWT, Brussel

### Project Overview

- Contributed to the **document template system** implementation within the **e-opvolging** solution, facilitating the follow-up of Belgian innovation investments.

### Key Responsibilities

- Proposed and implemented **technical solutions** aligned with IWT's day-to-day business needs, ensuring streamlined processes and robust system performance.
- Collaborated with cross-functional teams to enhance the **e-opvolging** architecture, delivering scalable and maintainable features.

### Technologies & Tools

- WinForms, DevExpress, VB.NET, WPF, WCF, C#, SharePoint Client Object Model, Entity Framework, SQL Server, Razor Template Engine, Visual Studio 2015

## Team Leader

Sep 2011 - Jun 2015

STIB-MIVB, Brussel

### Project Overview

- Contributed to various applications, including solutions for producing and selling **MOBIB-cards**.

### Key Responsibilities

- Initially served as a developer before transitioning into a leadership role, managing a **7-person** development team to ensure timely and high-quality deliverables.
- Guided, motivated, and technically challenged team members, fostering a collaborative and growth-oriented environment.
- Played a critical role in **translating business needs into technical solutions**, acting as a liaison between stakeholders and the development team.

### Technologies & Tools

- WinForms, C#, .NET, Oracle, Contactless Readers, Mobib, Calypso, Contactless Tickets, Remote Loading, Interoperability (TEC, De Lijn, NMBS, etc.)

## Senior .Net Developer

Feb 2010 - Sep 2011

DM&S Communications, Brugge

### Project: RDC

#### Project Overview

- Led the migration of a **legacy system** to next-generation technology, impacting **core business applications** across the company.
- Overhauled back-office data entry applications, updated data export features, enhanced synchronization tools, and merged the old system's database with the new architecture.

#### Key Responsibilities

- Collaborated with stakeholders to understand business needs and align technical solutions with strategic objectives.
- Implemented high-performance, scalable components in **C# 4.0**, leveraging **parallel execution** and **multithreading** for efficient data processing.
- Utilized **Amazon EC2** (cloud computing) and **web services** to support distributed deployments.

#### Technologies & Tools

- **Visual Studio 2010, C# 4.0, Amazon EC2, Web Services, SQL Server 2008 R2, Parallel Execution, Multithreading, Team Foundation Server (TFS), Scrum, CodeSmith, WinForms, WPF, SQL Replication**

### Project: Huis Voor Gezondheid

#### Project Overview

- Contributed to **Zorgzoeker.be**, an online application designed to streamline the search for healthcare providers.

#### Key Responsibilities

- Developed and integrated a comprehensive **search engine** feature, supporting multiple advanced search options on both the front end and back end.
- Optimized application performance using **nHibernate** and **Log4Net**, ensuring efficient data retrieval and robust logging.
- Incorporated the **Google Maps API** for location-based services, enhancing the user experience.

#### Technologies & Tools

- **Visual Studio 2008, C# 3.5, ASP.NET, nHibernate, Log4Net, Google Maps API, jQuery, JavaScript, HTML5, SQL Server 2008, ADO.NET, TFS**

## IT Consultant

Sep 2007 - Feb 2010

Darius-Belgium, Brussel

### IT Consultant

- Delivered HR and CRM/ERP solutions for Attentia, Wit Gele Kruis West-Vlaanderen, and Delhaize.
- Implemented budgeting/forecast features and large-scale scheduling solutions (supporting 16,000 employees).

**Key Technologies:** Visual Studio, C# 3.5, Oracle, VB.NET, nHibernate, Subversion, Scrum

### IT Consultant

Aug 2006 - Sep 2007

Queaso Systems, Brussel

### IT Consultant - NMBS

- Contributed to the IBIS portable device solution for train conductors, delivering paperless onboard operations (ticket printing, timetable consultations, barcode scanning).
- Integrated eID card functionalities and ensured real-time data exchange with .NET Compact Framework.

**Key Technologies:** .NET Compact Framework, Windows CE, SQL Server, Oracle, TFS

## Junior Developer

Jan 2005 - Aug 2006

V-Software, Brugge

### Junior Developer (Jan 2005 – Aug 2006)

- Merged multiple logistics databases for Electrabel, implementing a .NET Compact Framework solution to reduce data duplication and enhance accuracy.
- Worked on a CRM package for the insurance sector at Centea, optimizing document management and automated mailings.

**Key Technologies:** .NET Compact Framework, Windows Mobile, SQL Server, Subversion, VB.NET

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## COURSES

### Inefko Sales Training

Jun 2007

### Introduction to Artificial Intelligence

Sep 2011

Udacity

### MCPD: Windows Developer, Microsoft; MCTS: .Net Framework 2.0, Windows Applications, Microsoft

Feb 2008

### UNASPA - Programming in ASP.NET MVC, jQuery and HTML5

Jan 2017

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## EDUCATION

### Bachelor, Informatica

Sep 2002 - Jun 2006

Hoger onderwijs Brugge

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## CERTIFICATES

### Certified Scrum Master

2016

### Certified Kanban Foundation

2016