THOMAS VAN DE VELDE
.NET Consultant

PERSONAL INFO

Region	Gent
Education level	Bachelor

PERSONAL PRESENTATION

I get a lot of satisfaction from **process improvement projects** where newly developed software is used. This combines both my love for software development and **project management**. To continue my personal development, I earned several certificates and am always looking for ways to learn more.

It's my goal to help organizations implement new software to improve their processes. In the past I have taken on **various leading roles** in such projects, giving me a broad amount of technical and soft skills.

GENERAL KNOWLEDGE

Functional Competences : Project Management
Sector Knowledge :   Architecture-Software, Architecture-Azure Cloud

TECHNICAL COMPETENCES

TOOLS : Webstorm, PhpStorm, PyCharm, Rider, IntelliJ, Office 365, Microsoft Word, Microsoft Teams, Microsoft Outlook, Gmail, Entity Framework (part of .NET Framework), ClickUp, NUnit, Git, Sourcetree, Visual Studio, Visual Studio Code, SQL Server Management Studio (SSMS), Android Studio, Github, PHP MyAdmin, PostMan, Putty, FileZilla, Microsoft NuGet, Microsoft PowerPoint, Microsoft Access, Microsoft Excel, Microsoft OneNote, AutoMapper, Bitbucket, Asana, Team Viewer, VirtualBox, hyper v, XCode, Minitab, SIPOC - Supplier Input Process Output Customer, Atom, Team Foundation Server (TFS), HeidiSQL, MySQL Workbench, Azure DevOps, Miro, Azure Data Studio, Wireshark, Firebase, NLog, Bizagi Modeler, Microsoft server, IIS, Azure Active Directory, Group Policy Object (GPO), Active Directory, Microsoft Power BI, VNC Viewer, Docker, Azure (Microsoft)

LANGUAGES: HTML, JSON, C#, ASP.Net Core, ASP.Net MVC, TypeScript, LINQ - Language-Integrated Query, CSS 3, Sass, Javascript, XML, Bootstrap, Swagger, Npm - Node Package Manager, PrimeNG, Angular, Angular Material, FluentValidation, MediaTr, Spring Boot, JavaFX, XAML, regex,

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rpr BRUSSEL / rpm BRUXELLES

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	Swift, jQuery, Kotlin, PHP, SQL, Vue.js, Vuetify, Laravel, SignalR, Chart.JS, WPF, Python, Yaml, Jest
SYSTEMS :	Windows, MAC, Windows Server, Linux
SECURITY / NETWORKS :	SSL/TLS, DNS/DHCP
DATABASES :	SQLServer, MariaDB, SQLite, MySQL
METHODOLOGY :	Clean Architecture, CQRS - Command Query Responsibility Segregation, Rest, PMBok, Scrum, Six Sigma, Continuous Improvement, BPMN - Business Process Model and Notation, Extreme Programming (XP), Kanban, Agile

CERTIFICATIONS :

Azure
- Azure Solutions Architect Expert (AZ-305)
- Azure Administrator Associate (AZ-104)
- Azure Developer Associate (AZ-204)
- Azure Fundamentals (AZ-900)
- Azure Data Fundamentals (DP-900)
- Azure AI Fundamentals (AI-900)

Project Management
- PMI Agile Certified Practitioner (PMI-ACP)
- Certified Associate in Project Management (CAPM)
- PRINCE2 Agile Foundation
- Professional Scrum Master Level I (PSMI)
- AgilePM Foundation
- Agile Hybrid Project Pro (AHPP)
- P3.express Practitioner

Other
- Six Sigma Black Belt (SSBB)
- Wicked Problem Solving Practitioner (WPS)
- Organizational Transformation Foundation (OTF)

LANGUAGES

READ :   Dutch (5/5) English (5/5) French (3/5)

WRITTEN : Dutch (5/5) English (5/5) French (3/5)

SPOKEN : Dutch (5/5) English (4/5) French (2/5)

TRAINING & EDUCATION

2022   Organizational Transformation Foundation (OTF)

2022   PMI-ACP Preparation

2022   Agile Hybrid Project Pro (AHPP)

2022   Wicked Problem Solver (WPS)

2021   Bachelor of Applied Computer Science (BSc)

2021   acADDemICT Track

2019   PSM I Preparation

2019   PRINCE2 Agile Preparation

2019   CAPM Preparation

2019   AgilePM Preparation

PROFESSIONAL EXPERIENCES

Inetum-Realdolmen - Signpost - Lokeren   **05/2023 till today (3 month(s))**

Senior .NET Development Consultant
SP Hardware .NET/Azure Applications

Signpost's Hardware business unit has a production web app and multiple webshops in PHP and multiple frontend frameworks, these connect to their MySQL database and other external systems. The goal of the project was to extract connections to the database and external systems such as Exact Globe and place them in .NET API's leveraging existing NuGet packages and API's.
The scope was extended to creating a range of .NET API's that the internal development team could use in a consistent and fluent way. This heavily changed the solution architecture within the business unit.

- Creating a range of .NET API's to be used by the internal development team in a consistent manner
- Designing the solution architecture
- Multiple microservices to expose the MySQL database data
- Connecting to the Microsoft Graph API to enrol and manage Windows devices
- Connecting to multiple Google API's to enrol and manage ChromeOS devices
- Automatically syncing with Exact Globe and Exact Synergy
- Synchronisation CRON jobs
- Implementing consistent data structures
- Critically analyse the way data is stored and how this could be improved
- Improve the way the microservices and systems interacted with each other
- Use of Azure AD as the IDP for the application
- Introduce API logging and following the request chain through the different API's monitoring the performance
- Monitoring with Sentry
- Logging to CosmosDB
- Introduce automated testing of features
- Create CI/CD pipelines

Environment : FluentValidation, AutoMapper, Entity Framework (part of .NET Framework), C#, NLog, Git, ASP.Net Core, Swagger, MediaTr, Azure (Microsoft), JSON, PhpStorm, Visual Studio, Rider, MySQL, ClickUp, NUnit, MySQL Workbench, regex, PostMan, TypeScript, Azure DevOps, LINQ - Language-Integrated Query, Microsoft NuGet, PHP, CSS 3, HTML, Microsoft Teams, Javascript, XML, SQL, Microsoft Outlook, Windows, Docker.

Inetum-Realdolmen - Aquaduin - Koksijde   **01/2022 till 05/2023 (16 month(s))**

Medior Full Stack Developer
Visitors Center Reservation System

The company organizes a range of activities for schools and clubs on their large premises in the dunes of Koksijde. The deliverable of the project was a web application where schools and clubs could create their own reservation of activities on a given day. Potential guides would

then receive notification to accept an activity. This reservation process used to be done via telephone and email which increased the staff's workload.

- Create a web application where schools create their own day of activities, has the potential to be used by other organizations as their reservation system
- Functional Analysis of requirements
- Creating Angular Frontend
- Creating .NET Backend
- Authentication with OAuth2.0 and OpenID Connect
- Writing automated tests
- Creating the architecture of the system

Environment : FluentValidation, AutoMapper, Entity Framework (part of .NET Framework), C#, NLog, Git, ASP.Net Core, Swagger, MediaTr, Npm - Node Package Manager, PrimeNG, Angular, Azure (Microsoft), Webstorm, JSON, Sourcetree, Rider, SQL Server Management Studio (SSMS), SQLServer, ClickUp, NUnit, PostMan, TypeScript, LINQ - Language-Integrated Query, Microsoft NuGet, CSS 3, Sass, HTML, Javascript, Rest, IIS.

Inetum-Realdolmen - Aquaduin - Koksijde   11/2021 till 05/2023 (18 month(s))

Medior Full Stack Developer
SALAMANDER

Due to the rapid evolution of IT the company had multiple API's and existing applications in different older technologies, but with an overlap in functionality. The introduction of smart water meters further increased the need for a rigid solution. The project delivered a modern solution that connects all applications, removes redundancy, and streamlines the way data is processed. Where possible generics, cloud integration and scripts were used to improve the development pace of the IT team.

During my time at Aquaduin, I coached collegues about conventions and best practices and gave trainings about new technologies and software development concepts. Some topics that were covered are Agile development, extensive git versioning, Clean Architecture, cloud integration with Azure, rigorous testing and .NET 6 coding practices.

- Setting up an API that is used by multiple in-house applications
- Securing the application with SSO using Azure AD, OAuth2.0 and OpenID Connect
- Documenting the API using Swagger and ReDoc
- Writing automated tests to ensure the accuracy of the API and reduce the possibility of bugs (10 000+ tests)
- Creating endpoints to process the data (2000+ endpoints)
- Working with a large amount of data, 25 000 smart water meters connected to the system
- Designed the solution architecture
- Modernization of the applications and IT landscape
- Created a range of internal tools to speed up the development pace
- Created proof of concepts that were the foundation for future projects
- Created a generic way to place data in a template to create, mail, print invoices and other documents streamlining the document creation process. This made it possible for non-programmers to make small changes to these documents.
- Introduced an agile way of working and a structured way of testing and documenting to IT department
- Tought courses and best-practices to the IT team
- Supervised and coached interns

Environment : FluentValidation, AutoMapper, Entity Framework (part of .NET Framework), C#, NLog, Git, ASP.Net Core, Swagger, MediaTr, Azure (Microsoft), JSON, Sourcetree, Azure Active Directory, Visual Studio, Rider, SQL Server Management Studio (SSMS), SQLServer, ClickUp, NUnit, PostMan, Azure DevOps, LINQ - Language-Integrated Query, Microsoft NuGet, Microsoft Teams, Azure Data Studio, XML, SQL, Rest, Windows.

CLW Kortrijk - Kortrijk   09/2020 till 08/2021 (11 month(s))

Full Stack Developer / Project Manager
ASAPI

The goal of the project was to improve the process of evaluating the school's students, due to the special evaluation methods used, standard software such as Smartschool did not fit the organizations requirements. The application digitalizes the process of evaluating students for teachers. Councilors can view the progress of the student and print a report card. The project was fully remote to ensure everyone's safety during the COVID19 pandemic.

- Implementing authentication and authorization in the application so employees could sign in using SSO and external partners could sign in using their login credentials
- Development of a module where data was extracted from an existing system and transformed to use in the evaluation system
- Development of the UI with a large focus on the visual aspect for the teachers
- Leading a team of 5 people
- Facilitating different meetings
- Implementing a hybrid project management methodology
- Stakeholder management
- People management
- Working with virtual teams
- Software integration
- Process improvement
- Analysis

Environment : FluentValidation, AutoMapper, Entity Framework (part of .NET Framework), C#, Bootstrap, Git, ASP.Net Core, ASP.Net MVC, Swagger, MediaTr, Bizagi Modeler, Npm - Node Package Manager, Angular, Azure (Microsoft), Webstorm, Bitbucket, JSON, Asana, Sourcetree, Azure Active Directory, Visual Studio, Rider, Visual Studio Code, SQL Server Management Studio (SSMS), SQLServer, ClickUp, NUnit, Office 365, PostMan, jQuery, FileZilla, LINQ - Language-Integrated Query, Microsoft NuGet, CSS 3, HTML, Microsoft Teams, Javascript, SQL, Windows, IIS, SSL/TLS, Gmail.

De Bosschere BV - Harelbeke   08/2020 till 11/2020 (3 month(s))

Full Stack Developer / Scrum Master
QR Ordersystem

During the COVID19 pandemic bars where not allowed to take orders at the counter, because the customers had to be seated. The owner of Cafetaria De Gavers wanted a small application where the customers seated outside on the premises could order using their smartphone and then a waiter would bring them their order.

- Development of an API using .NET Core 3.1
- Authenticating users between front and backend using JWT
- Development of the frontend using Vue and Vuetify
- Analysis
- Stakeholder management
- Project management

Environment : FluentValidation, AutoMapper, Entity Framework (part of .NET Framework), C#, Git, Vue.js, ASP.Net Core, Vuetify, Swagger, MediaTr, Npm - Node Package Manager, Azure (Microsoft), Webstorm, Bitbucket, JSON, Visual Studio, Visual Studio Code, SQL Server Management Studio (SSMS), SQLServer, ClickUp, NUnit, PostMan, FileZilla, LINQ - Language-Integrated Query, Microsoft NuGet, CSS 3, HTML, Microsoft Teams, Javascript, SQL, Rest, SSL/TLS.