

# THOMAS VANGOIDSENHOVEN

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## PROFILE

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Highly motivated software engineer with over 7 years of professional experience in consulting, in-house product development, and freelance assignments. Passionate about clean architecture, mentoring junior developers, and delivering maintainable and scalable solutions. Experience in coaching team members through code reviews, debugging sessions, and architectural decision-making. Fluent in Dutch and English, with working proficiency in French.

## SENIOR SOFTWARE ENGINEER

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### Twipe

*Software Developer - Freelance*

Leuven

Jun 2023 - Present

- Creating, maintaining and optimizing .NET based newspaper processing pipelines managed by Terraform on AWS.
- Integrating and setting-up Authentication/Authorization systems like OIDC, Piano, Newsfactory, Evolver, Auth0, Keycloak, ...
- Migration of legacy .NET endpoints to a new .NET 8 Domain Driven Hexagonal design architecture.
- Established automated CI/CD pipelines in Bitbucket to build, test, and deploy AWS infrastructure, accelerating release cycles and reducing deployment errors.
- Introduced AI-based tooling such as Code Review Agents and Knowledge Base Agents, streamlining developer workflows and reducing review turnaround time

### 3P

*Software Engineer - Internal*

Kontich

Nov 2021 - Jun 2023

- Designed and delivered new web modules using Vue/Typescript/Nuxt on the front-end integrated with a .NET 6/EF Core/MSSQL microservice backend, enabling the company to expand its digital product offering.
- Maintained and extended a legacy desktop application (WinForms/C#/Angular), ensuring continuity for existing users while incrementally modernizing the codebase.
- Architected and built reusable front-end component libraries backed by dedicated backend-for-frontend services, reducing duplication and accelerating feature development across teams.

### Inetum / RealDolmen / GFI

*Software Engineer - Consultant*

Leuven

Feb 2019 - Nov 2021

- **Johnson & Johnson:** Built interactive dashboards for broad-spectrum compound testing using .NET and AngularJS, giving researchers faster visibility into test results and approval workflows.
- **SES Vanderhave:** Developed a quality management application for sugar beet seed batch approval using .NET Core, Oracle SQL, EF Core, and Angular 6, replacing a manual process with a streamlined digital workflow.
- **Toyota:** Created automated regression testing tools with .NET, Nunjucks, and MongoDB, reducing manual QA effort and improving test coverage.
- Contributed to the **internal R&D team** by building conversational chatbots using LUIS.AI and .NET, which were integrated into client-facing web applications to improve user engagement.

## EDUCATION

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### UCLL

*Bachelor in Computer Science*

Leuven

2015 - 2019

## TECHNICAL SKILLS

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### Backend Development:

.NET, C#, PostgreSQL/MSSQL, Redis/MongoDB, EntityFramework, Microservice & Monolith solutions, ASP.NET, .Net Core, Luis, QnAMaker, Claude & ChatGPT, Microsoft Bot Framework

### Frontend Development:

Vue/Nuxt, Typescript, Angular, React, Svelte/Sveltekit, Nunjucks

### Devops:

IaC (terraform). Experience settings up Azure and AWS CI/CD environments and pipelines.

AWS Paramstore/Lambda/SQS, containerization with Docker

Application Health monitoring using technologies like OpenSearch, Opentelemetry and Azure Application Insights

### Analytical/Architecture:

AGILE work methods (waterfall, scrum, sprint). BPMN for translating client requirements into technical tasks.

Comfortable with DDD, Hexagonal design and Microservices.

### Authentication / Authorization:

Highly experienced in setting up and integrating PKCE, OIDC and OAUTH systems from providers like Auth0, Piano, Evolver, Keycloak, Newsfactory, ...

### Side-projects / Self-study:

Experimenting with Blazor, Building a Cross-Platform S3 Based Object Browser using Avalonia UI,

Voice Transformation with RVC Ultimate, Self-hosted deployment platform using Dokploy,

AI Prompt Engineering with Claude Code using plugins, skills and subagents