



CONTACT

EMAIL

hello@steinmaerivoet.dev

LOCATION

Mechelen, Belgium

WEBSITE

steinmaerivoet.dev

LINKEDIN

linkedin.com/in/steinmaerivoet

GITHUB

github.com/steinmaerivoet

TECHNOLOGIES

☒ Expert ☐ Advanced ☐ Familiar

Backend

Java Spring Boot Kafka
REST GraphQL SQL
PostgreSQL
Microsoft SQL Server Scala
Play Framework MongoDB

Cloud & platform

Azure AWS Kubernetes
Helm Docker Istio Elastic
Datadog

Security

OAuth2 OpenID Connect

Testing

Playwright Selenium Gherkin

IoT

Home Assistant Raspberry Pi
ESP8266 Sensors

Stein Maerivoet

Lead Engineer at Belfius

A passionate engineer on a continuous quest to improve the efficiency of everything around me.

PROFILE

Less about writing code. More about knowing what to build.

I'm a passionate engineer in a continuous quest for improving the efficiency of things I see around me. I'm highly committed and goal-oriented when something captures my interest, and you can always make my day with a conversation about IoT or home automation.

In my spare time you can find me on my bike, at my computer, or planning a backpacking journey to explore a new part of our planet.

EXPERIENCE

Belfius

Brussels, Belgium

Lead Engineer Senior Engineer

2026 – Present
2023 – 2026

Engineering in Belfius Technology, one of Belgium's largest banks: modernising how critical banking systems, cloud applications and external services talk to each other.

Cloud-native integration platform

2023 – Present

Cloud-native platform modernising communication between critical banking systems, cloud applications and external services, with a custom Kubernetes Operator for declarative, self-service integrations.

Belfius Hackathon

Pitched an idea, built a working prototype through the night and presented it to a jury from Belfius management and Mistral AI.

Tech Java 25, Spring Boot, PostgreSQL, Azure, Azure DevOps, Git, IntelliJ, Kubernetes, Operator pattern, Platform engineering, Helm, Docker, Istio, Backstage, Elastic, Playwright, BDD, Gherkin, Agentic AI, GitHub Copilot CLI, Spec-driven development, Jira, Confluence

Ixor

Mechelen, Belgium

Software Engineer

2019 – 2023

Backend development of web applications for a range of clients, with cloud-native microservices, event-driven architecture and AWS.

Verkeerscentrum

2022 – 2023

Application for operators to control the traffic in Flanders, integrating Waze, DATEX, video walls, traffic signs and vehicle detection loops.

myVandelanotte

2021 – 2022

Client portal built from scratch that connects accountancy tools through Azure AD single sign-on, so clients find their statements, reports and documents to sign in one place.

E-invoicing for Belfius

2020 – 2021

New e-invoicing platform: upload a PDF invoice, have it recognised, and send it in a structured way over the PEPPOL network.

IxorDocs

2019 – 2020

Portal connecting companies to Doccle (document platform) and PEPPOL (e-invoicing). Reworked the preprocessor engine that turns XML, PDF and CSV into output formats like PEPPOL BIS3.

WAYS OF WORKING

- Microservices
- Event-driven architecture
- Platform engineering
- Identity & SSO
- Domain-Driven Design
- Operator pattern
- CI/CD
- Automated testing
- BDD
- Spec-driven development
- Agentic AI
- Automation

TOOLS

- Git
- Azure DevOps
- GitHub Copilot
- Claude Code
- Cursor
- IntelliJ IDEA
- Visual Studio Code
- Backstage
- Jira
- Confluence
- Bitbucket

EDUCATION

Master of Science, Electronics and ICT Engineering Technology

KU Leuven
2014 – 2015
Specialisation ICT · Cum laude

Bachelor of Science, Electronics and ICT Engineering Technology

KU Leuven
2011 – 2014
Specialisation ICT

Mathematics and Science

Vrij Katholiek Onderwijs Opwijk
2005 – 2011

CERTIFICATIONS

AWS Certified Developer – Associate

Amazon Web Services · 2021

Oracle Certified Professional, Java SE 8 Programmer

Oracle

Machine Learning

Stanford University · Coursera · 2019

LANGUAGES

- DutchNative
- EnglishFull professional
- FrenchLimited working

Tech Java, Spring Boot, Kafka, GraphQL, REST, Microservices, Event-driven, Git, IntelliJ, AWS, CloudFormation, Docker, Bitbucket Pipelines, Datadog, DDD, BDD, Gherkin, Selenium, Automated testing, GitHub Copilot, Jira, Confluence

Objective International

Wichelen, Belgium

Software Engineer
Junior Software Engineer

2018 – 2019
2016 – 2017

Tailored the Objective Java framework for MES and WMS to customers in the process industry, through the full cycle from analysis to go-live. Later turned customer needs into technical designs, and owned the codebase and the releases.

- On-site key-user training, fixes and installations during test phases

Release automation

2018 – 2019

Introduced Jenkins, which became the standard for building and shipping releases, and built a cloud-based tool that pushes new releases to customers automatically.

Tech Java, SQL, MSSQL, Git, IntelliJ, Jenkins, CI/CD, MES, WMS, VBA

Winfri

Ghent, Belgium

Co-founder & Software Engineer

2015

Someone pitched me the idea of an online freecycle platform. I joined as co-entrepreneur and developer to turn it into a real company.

- Startup Weekend Leuven, Durf Ondernemen (Ghent University) and Start it @KBC

Winfri platform

2015

Online freecycle platform built on Scala and the Play Framework with MongoDB. It grew to more than a thousand users.

Tech Scala, Play Framework, MongoDB

Crelan

Anderlecht, Belgium

Summer Student

2011 – 2013

Summer job in the home loan administration, where I spotted repetitive work in Excel and automated it.

- Built VBA automations that saved the team time every day

Tech VBA, Excel

PROJECTS

Home automation

Since 2017

It started with a Raspberry Pi, a temperature sensor and a flashed smart socket. Today my mission is to automate every repetitive task at home.

This website

Pet project · 2026

This CV as a vertical slideshow with magnet snapping, where skills, experience and projects link to each other. Built with Claude Code and tested with Playwright on desktop and mobile.

Wedding website

Pet project

Website for our wedding, with RSVP for the guests.

Multicopter safety system

Master thesis · Cum laude

Obstacle detection for a multicopter with a ring of eight ultrasonic sensors, an AHRS and real-time correction of the S.Bus flight signals.

