SANDER FEENSTRA

SENIOR SOFTWARE ENGINEER / TECHNICAL PROBLEM SOLVER

+31 (6) 57 31 0980
info@sanderfeenstra.com
sanderfeenstra.com



COMPLEX CHALLENGES.

WORKING SOLUTIONS.

ENGINEERING / ARCHITECTURE / OWNERSHIP

FROM PROBLEM TO OUTCOME

Technical challenges require both perspective and execution.

From an inherited codebase to a new digital product: understanding requirements, making sound decisions and delivering solutions that hold up in practice.

10+ YEARS OF PROFESSIONAL EXPERIENCE

Self-taught · Entrepreneurial

HOW I HELP ORGANISATIONS MOVE FORWARD

01 / ARCHITECTURE

Systems built to scale

Architecture that handles peak loads, remains extensible and does not need to be redesigned for every new requirement. Designed for performance, reliability and long-term maintainability.

02 / DELIVERY

From idea to production

Delivering features, taking ownership of an existing codebase or gradually reducing technical debt. From initial design to reliable production delivery.

03 / ANALYSIS

Making complexity manageable

Turning unclear requirements and technical dependencies into informed decisions and actionable plans, with attention to risk, feasibility and the underlying need.

04 / COLLABORATION

Bridging technology and people

Taking ownership while delivering results together. Aligning with colleagues, stakeholders and external partners, sharing knowledge and explaining decisions to build solutions the whole team can support.

BROAD TECHNICAL EXPERTISE

FULL STACK & DATA

TypeScript / Node.js / NestJS
C# / .NET / Vue.js
PostgreSQL / PostGIS

ARCHITECTURE & INTEGRATION

CQRS / event-driven systems
API design / hexagonal architecture
Concurrency / data processing

CLOUD, AI & QUALITY

AWS / Azure / Terraform
Kubernetes / Cypress / CI/CD
GenAI / GitHub Copilot
Prompting / code review

EXPERTISE IN PRACTICE.

From scalable platforms to complex data processing and reliable interfaces: five examples of the challenges and the approaches behind them.

01

FRAMNA

2025–2026

Reusable software for multiple airports

CHALLENGE Different airports shared similar booking and customer-data workflows, while also needing airport-specific functionality. Separate backends would increase duplication and maintenance.
APPROACH Built a shared foundation using NestJS, NX and GitHub Packages while keeping each deployment independently configurable. Provisioned the required AWS infrastructure using Terraform.

02

MOVE

2022–2024

Large-scale geodata without blocking synchronisation

CHALLENGE Large-scale geodata collection involved concurrent uploads, expensive validation and strict data-quality requirements. The original synchronisation flow caused timeouts and limited scalability.
APPROACH Co-designed a scalable architecture with a business architect and implemented it independently using NestJS, CQRS and PostGIS. Decoupled synchronisation and validation through event-driven processing, while coordinating integrations and further development with an external software vendor.

03

EVIDENT

2020–2021

One shared platform for nine education brands

CHALLENGE A shared web platform served nine brands with differing requirements and dependencies across development teams. Reusable components had to remain flexible without compromising performance or maintainability.
APPROACH Worked in a multi-team environment on reusable Vue.js and .NET components and flexible enrolment forms. Accounted for cross-platform dependencies and brand-specific needs, and applied Cypress test automation within a dynamic CMS environment.

04

PRO4ALL

2018–2020

Reliable inspection software and scalable quality

CHALLENGE Inspection applications needed to work reliably across devices, even with poor connectivity. As the platform grew, it also needed shared components and more efficient quality assurance.
APPROACH Built offline-capable features and shared Vue.js components within a multidisciplinary team. Initiated Cypress end-to-end test automation, rolled it out to other teams and provided training and knowledge transfer.

05

SKIM

2016–2018

Interactive market research at scale

CHALLENGE Online choice experiments required dynamic product options and tailored interfaces. A market simulator also struggled with large datasets and frontend performance bottlenecks.
APPROACH Developed a reusable library for adaptive choice experiments and helped modernise an interactive market simulator, including addressing performance constraints.

BEYOND SOFTWARE

ENTREPRENEURSHIP / 2024–2025

Co-founder of Rage Fabriek. Experience with initiative, commercial trade-offs and taking responsibility.

PUBLIC SERVICE / SINCE 2019

Municipal councillor in Nieuwegein. Skilled at connecting different perspectives, making reasoned arguments and building consensus.