Sander Ottens

Product Engineer — Front-End · Angular · UX/UI

From boardroom problem to shipped application

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16+ years of web development experience · *10+ years building and maintaining Angular applications* · *10/10 social skills*

Available immediately · max. 4 days a week (up to 36 hours) · on-site in the Eindhoven region, hybrid elsewhere

Profile

I build the web applications organisations run on every day: work-order platforms for field engineers, warehouse software, auction platforms, bookkeeping software. It usually starts at the table with the owner or management and a process that costs too much time, too many errors or too much paper. I solve that with automation, logic and structure: I design the solution, build the front-end and roll it out for desktop, mobile, PWA and native app. In a larger team I am the link between the business and the developers: I talk just as easily with marketing or management as with the colleagues who would rather write code than sit in meetings.

7 products taken from idea to production
for companies in manufacturing, logistics, infrastructure and financial services

Corporate and start-up:
from Fancom, Achmea and Vattenfall to two-person teams building from scratch

Passion project: my own Angular framework
(Angular 22, zoneless, signal-first) with a CLI, CI pipeline and a full test chain

AI-assisted engineering:
I use AI agents as an accelerator underneath my own architecture, quality gates and reviews

How I work

From problem to product. I start with the conversation with the owner, management or product owner: what does the current process cost, where does it get stuck? I turn that into wireframes and a design everyone can say yes to, and during the build I keep that conversation going: with the business about what it should do, with the back-end about how it should work. The question doesn't drift along the way, and surprises don't wait until delivery.

AI-assisted engineering. Since 2026 I work with AI agents (Claude Code) as a fixed accelerator in my development process, underneath my own architecture and quality gates: automated code review in CI, strict lint and coverage thresholds, Playwright suites per page. The EXP-Framework was built this way. I also run local models for experiments.

In a team. My greatest strength is being at home in two worlds. I can explain to a marketing department why something is technically unwise without it turning into a lecture, and I can bring a group of developers who would rather skip the meeting along with what the business needs. That makes me, in most teams, the link between business, design and back-end. Comfortable presenting, leading requirements sessions and explaining pragmatic choices to non-technical stakeholders.

Experience

Dysto — Front-End & UX, from idea to product

Freelance
June 2020 – September 2026 · Eindhoven / remote

For six years the front-end half of a two-person team building custom business applications for end clients in manufacturing, logistics and infrastructure. I was handed an idea or a client problem, designed the screens and flows, and built the entire front-end: responsive, as a PWA and, where needed, as a native app via Capacitor. All applications run on live data over SignalR and are still in daily use.

EPC Groep — work-order and field-engineer platform

2020–2026

ERP for tickets, work orders, inspections, sensor data, breakdown-service calendars and hour reports. Used by about 60 planners and engineers, from the office to the bridge deck. 2,700+ commits, 54,000 lines of TypeScript.

Bridge-Q — bridge operation and monitoring for municipalities

2023–2026

Skippers check bridge status and request an opening; operators in the control centre monitor every bridge live; bridge managers see malfunctions. Web, PWA and native iOS/Android with push notifications. Rebuilt on my own framework in 2026 as a proof of concept, including Playwright suites.

Shetland Pony Select Sale — auction platform

2023–present

Bilingual platform for an annual pony auction: online registration with photo upload, catalogue with studbook data, sponsor management, CMS, and live bid tracking on auction day. Replaced a process of e-mail, paper and an external web agency. Three auctions run.

Begra Magazijninrichting — warehouse management

2020–2024

Inbound, order picking, packaging, outbound and stock counts on handheld scanners, with OCR, signature capture and label printing. Used daily by about 40 warehouse staff. Trilingual (NL/EN/PL).

BBQuality — automated inbound

2020–2025

Network scales and label printers connected to the app: weigh, label and register incoming goods in a single flow.

QR Database — multi-tenant SaaS

2020–2025

Loan and inspection registration for equipment via QR stickers, with a subscription model, three role levels and public product pages. Handed over in 2025.

EXP-Framework — passion project

Own development
April 2026 – present

An Angular application framework I build in my own time to set up business applications faster and more consistently; not yet in production for clients. At its core is generative CRUD: from a data model the framework generates the list, detail and form pages, including validation and error handling, so a new entity has a working screen in minutes rather than days. On top of that sits an ABAC role model that automatically produces a permissions page: administrators set per role what is visible and allowed, and menu, routes and actions follow without extra code. Also: Signal Forms with Valibot validation, i18n, push, PWA, charts and dashboards, a CLI that onboards, migrates and deploys client projects without downtime, and a complete quality chain with Vitest, Playwright (incl. visual regression), lint tiers, coverage gate and changesets. Angular 22, zoneless, signal-first, strict TypeScript, OKLCH design tokens with a WCAG contrast check.

Fancom — Optima UI

Freelance via Allegis Group
September 2023 – July 2024 · Panningen, 4 days a week

Front-end developer in a team of twelve developers (three front-enders) on Fancom One: the touch interface of climate and feeding computers for livestock farming, running on a 15-inch HMI panel. I rethought and rebuilt the complete interface, designed for a previous generation of hardware, for the new 1920×1080 touchscreen while keeping every back-end contract intact, and set up a JSON→SCSS/TS bridge so the whole team works from the same design variables. Very well received by the team and product owner.

Mijn Creatieve Boekhouding — online bookkeeping platform

Freelance
2018 – present · Eindhoven

Together with the owner (back-end) I rebuilt the existing platform for freelancers and their bookkeepers from the ground up in Angular, then developed it further for six years: books and bank imports, invoicing, VAT and income-tax returns, fixed assets, annual reports, a message inbox and a bookkeeper back office. Around 400 users.

Shorter assignments 2021–2022

- **New Story / Sunny Cars** — *Jul–Aug 2022*
  rebuild of an international car-rental platform in an NX monorepo, 100% code coverage required.
- **Achmea** — *Sep–Dec 2021*
  new functionality and bug fixes in a complex Angular application within a large multidisciplinary team.
- **Twentyseven / Nespresso** — *Jul–Sep 2021*
  designs converted into dynamic webshop templates for mobile and desktop.
- **Limelight Foundation and KAS Eindhoven** — *2021*
  two websites in Gatsby/React, from design to deployment.

Earlier assignments 2010–2018

- **Equalture, Rotterdam** — *2017–2018*
  anonymous-hiring start-up: from idea to working product with the two founders; wireframes, architecture, front-end (Angular) and sprint setup.
- **Valtech / Nutricia and Shimano** — *2016*
  front-end structure for an AEM project; white-label bike configurator in Angular.
- **Mirabeau / Vattenfall** — *2015–2016*
  renewal of MijnNuon in a team of 12–14 developers; responsible for HTML/SCSS and responsiveness.
- **Mirabeau** — *2015*
  concept, design and build of a white-label airline demo for acquisition.
- **eFocus / Rabobank** (2015), **IMA / HEMA and TUI** (2014–2015, Django), **Wegener** (2013–2014, set up the development flow: DTAP, Git, cross-browser testing), **Mirabeau / KLM** (2013, "Spotted by Crew" and the showcase for the new KLM.com), **We-do-it** (2012), **Vaai** (2010–2013).

> Self-employed since 2011 and freelance ever since, with one short exception: a period of employment at We-do-it in 2012.

Skills

■■■ 1 = excellent ■■□ 2 = good ■□□ 3 = basic

ANGULAR & TYPESCRIPT

Angular v2–v22: signals, zoneless, standalone, control flow	■■■
TypeScript, strict	■■■
RxJS	■■■
Angular Material & CDK	■■■
Signal Forms & Valibot validation	■■■
Libraries & monorepos: ng-packagr, NX, pnpm workspaces	■■□
NgRx	■□□
Micro-frontends / Module Federation	■□□

UI & UX

Wireframing & UI design	■■■
Design systems & design tokens	■■■
SCSS/CSS: container queries, logical properties	■■■
Responsive & mobile-first	■■■
Material 3 theming	■■■
Accessibility, WCAG	■□□

WAY OF WORKING

Scrum / agile	■■■
Requirements & business analysis	■■■
AI-assisted development: Claude Code, agent workflows, AI review in CI	■■■
Local LLMs	■□□

PLATFORMS & INTEGRATION

PWA / service workers	■■■
Real-time: SignalR / WebSockets	■■■
REST integration & API design with back-end	■■■
i18n: Transloco, ngx-translate, @angular/localize	■■■
Charts: ECharts, Chart.js	■■■
Capacitor: iOS/Android, push	■■□
Firebase: FCM, Firestore, Hosting	■■□
Azure Maps	■■□

QUALITY & TOOLING

Deploy tooling: zero-downtime, rollback, versioning	■■■
Unit testing: Vitest, Jest	■■□
E2E & visual regression: Playwright	■■□
ESLint / Prettier / Stylelint	■■□
CI/CD: GitHub Actions, changesets, release flow	■■□
Sentry	■■□

ALSO

React / Gatsby	■■□
Svelte / SvelteKit	■□□
WordPress / WooCommerce	■□□
PHP	■□□

Languages

Dutch (native) · English (fluent, spoken and written) · German and French (basic)

Education

Interactive Design (MBO), SintLucas Eindhoven (2015) · HAVO, Mondriaan College Oss (2010)

Personal

Social, curious and pragmatic. Outside work: runner, and the human of Freddie the doggo. According to my girlfriend I am "...kinda funny, sure".