



Tycho van Berge Henegouwen

Senior Full Stack Engineer

React · Next.js · React Native · Laravel · AI enthusiast

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PROFILE

Senior Full Stack Engineer with 12+ years of experience building scalable web and mobile products with React, Next.js, React Native and Laravel. I lead projects from architecture through delivery, across large scale e-commerce platforms, SaaS products, video streaming and mobile apps.

I enjoy solving complex technical challenges, mentoring developers and building systems that balance business goals with long-term maintainability increasingly with AI-assisted workflows and AI-powered product features.

AI-ASSISTED DELIVERY

I use a structured AI-assisted workflow that first adopts a repository's stack, conventions and quality commands. I then use it to plan new features, clarify product decisions and split the work into a story with tickets.

During delivery a supervisor coordinates the developer, automated test and an independent reviewer. Each ticket is implemented in scope, repaired within a fixed retry budget, reviewed, committed separately and recorded in a resumable run report, keeping the work traceable and ready for human review.

PERSONAL PRODUCTS

Mail Senses · Founder & Full-Stack Engineer

mailsenses.com

- SaaS for bulk downloading Gmail attachments, a capability Gmail doesn't offer natively.
- Designed and shipped the complete product: frontend, backend, Google OAuth and Gmail API integration and infrastructure.
- **57,000+ attachments** downloaded by users.

Laravel Inertia.js React OAuth 2.0 Gmail API Microsoft Graph API
Redis Queue Jobs Zip Bundling SWR Tailwind CSS

CORE TECHNOLOGIES

Frontend

React Next.js React Native Vue.js
Angular TypeScript Tailwind

Backend

Laravel PHP Node.js REST APIs
GraphQL

Cloud & Infrastructure

Docker Kubernetes AWS CI/CD
GitHub Actions

Data

MySQL PostgreSQL Elasticsearch
Redis

Quality

Playwright Jest PHPUnit

Architecture

Monorepos Microservices
Design Systems

Ways of Working

Agile Scrum

AI

Claude Codex Junie

EDUCATION & TRAINING

2013 - 2015

HBO Computer Science (part-time)

Hogeschool van Amsterdam

Coursework completed part-time alongside a full-time developer role; left to continue my professional engineering career.

2009 - 2013

MBO Software Development

ROC Leiden

Diploma obtained

2003 - 2009

HAVO

Rijnlands Lyceum

Diploma obtained

HTMLPress · Founder & Full-Stack Engineer

htmlpress.tech

- SaaS that converts any webpage into a pixel-perfect PDF or image through a REST API powered by headless Chrome, with configurable paper formats, margins and orientation.
- The PDF version of this resume is generated with HTMLPress.

Next.js

React

Puppeteer / Headless Chrome

Prisma

REST API

Session Auth

SSRF Protection

Rate Limiting

Nodemailer

Vitest

Tailwind CSS

LANGUAGES

Dutch	Native
English	Fluent
Spanish	Fluent

HOBBIES

Chess

Snowboarding

Running

Cooking

Travel

Learning languages

WORK EXPERIENCE

JANUARY 2025 - JULY 2026

Senior Front-End Developer · Tabei (startup under Trigion)

Tabei is a startup founded by security company Trigion to digitise an industry that still runs largely on paper. With two colleagues I build the entire frontend of:

- An iOS & Android app for security personnel: digital scheduling, building information, dynamic task lists, incident reporting, AI chat, key management and alarm notifications.
- A customer dashboard with real-time insight into on-site activities, schedules, tasks, alerts, statistics and camera feeds.

Security companies save time and costs, clients gain transparency, and staff can be deployed more efficiently.

React Native

Expo

React Router

TypeScript

TanStack Query

Zustand

Monorepo (turborepo)

Push Notifications

Camera / NFC Hardware Integration

Secure Storage & Encryption

AI Chat / Agent UI

Design Systems

Playwright E2E

Datadog Monitoring

CI/CD (Azure Pipelines)

NOVEMBER 2022 - DECEMBER 2025

Senior Front-End Developer · E.ON Drive

E.ON Drive sells EV charging stations online across Europe, Germany, the UK, Sweden, Italy, Denmark and more with each country running its own webshop and sales process. As part of the Digital CX team in Amsterdam, I helped build the unified European e-commerce platform that replaced these fragmented local implementations, on a shared architecture and design system.

In October 2024, I joined a 3 day Design Sprint in Munich with the German team: their webshop sold many wallboxes but few installations, missing significant revenue. In three days we prototyped a product configurator that bundles wallbox sales with the installation service, streamlining the process and increasing overall sales.

Next.js

React

TypeScript

Monorepo (pnpm)

i18next

Zustand

Design System / Design Tokens

Sentry

Storybook

Playwright E2E

GitLab CI/CD

Docker

JUNE 2018 - NOVEMBER 2022

Full-Stack Developer · Eyecons

Eyecons is a sports video platform, a YouTube for Dutch sports such as football, hockey, korfbal and volleyball. Where clubs upload and monetise their match videos. Built and grew the platform from its first version into a full SaaS product.

- Built the front-end with Next.js.
- Designed the Laravel API with JWPlayer video transcoding, direct-to-S3 video uploads and streaming live events.
- Turned the platform into a SaaS with PRO club subscriptions: video scheduling and editing, live highlight annotation, live chat, push notifications, Mollie payments and a billing dashboard.
- Split the monolith into four microservices and five front-ends sharing one component library, and managed hosting and deployments (Ubuntu, Ansible, Nginx, CI/CD).

Live at eyecons.com

Next.js React Monorepo (Yarn Workspaces)

Component Library / Storybook SWR Laravel Microservices Redis

Mollie / Laravel Cashier JWPlayer Video Transcoding AWS S3

Firebase Push Notifications Kubernetes CI/CD (Bitbucket Pipelines)

Docker

APRIL 2014 - NOVEMBER 2022

Full-Stack Developer & Owner · Bespoke Web

Founded and ran a software consultancy delivering custom web applications, SaaS platforms and digital products responsible for solution architecture, development, infrastructure, client management and mentoring junior developers.

Selected projects:

- Headless Shopify webshops: vanappleart.com & dankjewellness.org
- eyecons.com: online sports video platform
- King of the Court: volleyball streaming platform (watch.kingofthecourt.com), company site and live scoreboard tool
- Bureau STERK: STERKscan self-reflection platform, STERik children's portfolio and bureausterk.nl
- Cyclingflash: cycling data API powering wielerflits.nl
- Lineup: soccer/hockey team management tool

Next.js React Laravel Shopify Admin API Shopify App Development

WordPress Craft CMS Redis Mollie Pusher (Real-time) AWS S3

Vimeo API k6 Load Testing Monorepo (turborepo)

2012 - 2018

Earlier Experience

Saxum Sanoma/Fashionchick Zien24 Endouble Overstappen.nl

Ravonet