



Thijs Broerse

TyZ - Think. Yield. Zenith.

Interim Tech Lead - Freelance Senior Web Engineer

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Hi, I'm Thijs Broerse, a frontend and full-stack expert with

20+ years of experience in **web development** and team **leadership**. I specialize in React, TypeScript, and modern architecture, delivering high-quality solutions with international teams.

Let's build something great together!



Technical stack

Frontend Frameworks & Libraries

- **React, Next.js**, React Server Components (RSC), Vue, Angular, Muban, Zustand, Redux, MobX, RxJS, Tailwind CSS, Material UI, CSS, SASS, Flowbite.

Backend Development, DevOps & Cloud

- Node.js, PHP, .NET, Prisma, MySQL, SQL, Java, Perl.
- Microsoft Azure, Amazon Web Services (AWS), AppSync, AWS Amplify.
- Continuous Integration (CI) & Delivery (CD): GitHub Actions, Bitbucket Pipelines.

Data & APIs

- JSON, XML, REST, GraphQL, Clerk API, Google Maps API, Facebook API and more.

Leadership, Mentoring & Teaching

- Experienced in leading development teams, coaching, and developing talent, including conducting training sessions and knowledge-sharing workshops.

Testing & Code Quality

- Testing frameworks: Jest, React Testing Library (RTL), Storybook, Playwright and more.
- Code quality: ESLint, Prettier, code reviews, coding standards.

Animations & Interactivity

- Canvas, WebGL, Lottie, GSAP, Framer Motion, SVG, CSS animations.

Tools & Methodologies

- Git, GitFlow, monorepo setups, npm, Yarn.
- Agile/Scrum methodologies (**certified Scrum Master**), Jira, Confluence.

Accessibility & Internationalization

- **A11y** (Accessibility) & **i18n** (Internationalization): expert in standards and accessibility.

Unified Communications

- Matrix, MQTT, Avaya; experience in building systems for real-time communication.

AI & Automation

- Proficient with AI tools such as Cursor, Copilot, NotebookLM, v0.dev, ChatGPT, etc.

Work Experience

Toelevering Online - Configurator - April 2025 - Ongoing

- **Freelance Senior Frontend Engineer**

TypeScript, React, Next.js, Zustand, Tailwind, GraphQL, Playwright, Bitbucket Pipelines

- Delivered end-to-end: single-handedly took the complex React/TypeScript product configurator with GraphQL from concept to production—faster, with fewer resources, and at higher quality than two prior multi-developer attempts; now live in production and actively used.
- Established architecture & standards: robust, scalable frontend architecture with URL-based state, clear conventions, and test/CI standards.
- Frontend architecture: modular component design, clear domain layers/boundaries, typed API interfaces, and utility types.
- URL as Single Source of Truth: full deep-linking, back/forward compatibility, and shareable configurations.
- GraphQL integration: query/mutation patterns, caching strategies, robust error handling, and type-safe data mapping.
- Quality & performance: strict TypeScript, targeted refactors, memoization (and code-splitting where beneficial).
- Testing strategy & Developer Experience: unit/integration tests (Jest/RTL), Storybook documentation, Playwright E2E; CI gates for lint/test/build.
- Platform impact: implemented the same architecture across the broader e-commerce platform to raise consistency and delivery velocity.

Pridis - 2023 - Ongoing

- **Freelance Team Lead Frontend & Scrum Master**

TypeScript, React, Avaya, Matrix, MQTT, Material UI, Zustand, React Testing Library, Storybook

- Lead an international team of Frontend developers in creating a highly secure, web-based Unified Communications platform for a major government organization. Leveraging technologies such as React, Avaya, Matrix, MQTT, we deliver solutions that meet stringent quality and security standards.
- As the architect and technical lead, I oversee the frontend application's overall quality. My role extends to making strategic decisions, defining technical requirements, and maintaining alignment with project goals.
- (Co-)developing the application
- Serve as Scrum Master for the web team, facilitating Agile processes and ensuring efficient project delivery.

StudyCard - (part-time side project) - 2023 - 2025

- **Freelance Frontend Lead & Architect**

TypeScript, React, RSC, Next.js, Tailwind CSS, Prisma, Clerk, Node.js, Azure

- Setup architecture and develop web application
- Lead the international development team

MediaMonks - 2008-2023

- **Global Frontend Director** - 2019-2023
TypeScript, React, Angular, Muban, GraphQL, Node.js, AWS
 - Lead an international Frontend team with over 140 developers, based in multiple countries (e.g. the Netherlands, Argentina, Kazakhstan, India)
 - + all Frontend Team Lead tasks
- **Technical Director** - 2021-2023
TypeScript, React, Muban, GraphQL, AEM, AWS, Node.js
 - Being technically responsible for all projects for a big international client
 - Project estimations, planning & operations
 - Setup a reusable component library for CMS driven projects
- **Frontend Team Lead** - 2014-2019
TypeScript, JavaScript, React, Vue, HTML, CSS, CI & CD
 - Team quality and standards (creator of the [MediaMonks Coding Standards](#))
 - Frontend development and architecture
 - Performance reviews and career paths
 - Process improvement and code reviews
 - Coaching and mentoring of other developers
 - Recruitment, job interviews and hiring of new developers
- Flash Team Lead, Flash Architect, Senior Flash Developer 2008 - 2014
 - Founder & Lead developer of open source project [Temple Library](#)
- Part of the MMT 2011 - 2019
 - MediaMonks Management Team consisting of 13 Senior Managers

Donder Interactive Media - 2008-2014

- Owner / Senior Flash Developer
Flash ActionScript

Lost Boys - 2006-2008

- Senior Flash Developer
Flash ActionScript
- Maintenance Engineer
HTML, CSS, JavaScript, PHP, .NET, Java, Flash ActionScript

Treshold Automatisering - 2003-2006

- Web Developer
HTML, CSS, JavaScript, PHP, Perl, MySQL

International experience

- Lived 2 years in Buenos Aires (Argentina) from 2018 to 2020 to build up a Frontend team from 8 to 30 developers
- In 2021 remotely built up a team of 10 developers in Kazakhstan
- In 2021 remotely built up a team of 4 developers in India

Education

- **HKU** (Hogeschool voor de Kunsten Utrecht) / University of Portsmouth - 2002-2003
Master of Arts (MA), Interaction Design
- **Saxion University of Applied Sciences** - 1999-2003
Bachelor Kunst & Techniek (Arts & Technique)

Languages

- | | |
|-----------|---------------|
| • Dutch | Native (C2) |
| • English | Fluent (C1) |
| • Spanish | Beginner (A1) |
| • German | Beginner (A1) |

Other

Nationality:	Dutch
Marital status:	Married
Age:	44
Driving license:	B
Hobbies:	Spending quality time with my family (proud father of three), cooking, fitness, CrossFit, reading, and DJing.

Contact

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GitHub:	https://github.com/ThijsTyZ
NPM:	https://www.npmjs.com/~thijs
Codepen:	https://codepen.io/TyZ
Git Nation:	https://gitnation.com/person/thijs_broerse

Core values

- | | |
|----------------|---|
| • Passion | deep enthusiasm and dedication. |
| • Reliability | consistent dependability and trustworthiness. |
| • Sociability | valuing meaningful connections with others |
| • Authenticity | embracing and expressing true self |

Project highlights

- **Configurator** - Toelevering Online (Freelance) - 2025
Web app that lets users configure window frames down to the smallest details with instant feedback, validations, and shareable URLs -robust, user-friendly, and scalable.
<https://www.toeleveringonline.nl/configurator/>
<https://www.linkedin.com/pulse/window-door-configurator-thijs-broerse-hyrpe/>
Stack: TypeScript, React, Next.js, Zustand, Tailwind, GraphQL, Playwright
Role: Senior Frontend Engineer
- **Unified Communications Platform** - Pridis (Freelance) - 2023-2025
Highly secure, web-based unified communications platform for a major government organization. Unfortunately due to confidentiality, I can't showcase this.
Stack: React, TypeScript, Avaya, Matrix, MQTT, Material UI
Role: Team Lead Frontend and Scrum Master
- **Confidential** - MediaMonks - 2021-2023
Worked as a Technical Director for one of MediaMonks biggest clients. Unfortunately due to confidentiality, I can't showcase this.
Stack: React, TypeScript, Muban, WebGL, Node.js - Role: Technical Director
- **Prologis Operations Essentials** - MediaMonks - 2019
Progressive web app for property managers to contact vendors.
Stack: React, TypeScript, AWS Amplify, AppSync, GraphQL
Role: Technical Director and Lead Developer
- **Genesis Car Configurator** - MediaMonks - 2019 - FWA Site of the Day
3D experience where you can configure your own Genesis car. Watch your car from every angle, look inside the car, turn on the lights, open doors, etc.
<https://thefwa.com/cases/genesiscom>
Stack: Vue, WebGL, TypeScript - My role: Architect and Lead Developer
- **Kodak Moments** - MediaMonks - 2017
Online Photo Book, Canvas, Prints, etc. creator <https://www.kodakmoments.com/>
Stack: TypeScript, React with custom SSR - Role: Lead Developer
- **Albert Heijn - Voetbalplaatjes campaign (Hyves)** - MediaMonks - 2011
Create your own football picture
<https://www.youtube.com/watch?v=Eshbfdn69Ts>
https://www.youtube.com/watch?v=KHCGUziH_EQ
Stack: Flash - Role: Lead Developer
- **Apart Game Table** - HKU graduation project - 2003
A physical game table with 5 rows and 16 columns, 80 parts. Each part is a button and can light up in several colors and allows you to play games.
Stack: Director Lingo, Flash - My role: Game Developer
- **Eastcore** - Self Employed - 2002
A social media platform with chat, photo upload, agenda and much more. Built before Facebook even existed!
Stack: PHP, HTML, CSS, JavaScript, MySQL - Role: Owner / Web Developer

Please visit my portfolio for more projects: <https://www.tyz.nl/portfolio>

References

"During Thijs his 15 years at the Media.Monks he has shown to be a specialist within his role and able to maneuver in a dynamic high paced environment and skilled in communicating with stakeholders across different teams. Next to this he has also invested in improving the company culture and wellbeing through his efforts within the Culture Club. Some traits that add to the above and Thijs has shown throughout his time with Media.Monks are: critical thinking, connectivity, empathy and mentorship."

Anne van Zessen - HR Business Partner at MediaMonks

"I've worked with Thijs for 12,5 years and have always been impressed by his skill and knowledge. He's an absolute legend and one of the best I've ever worked with. Would absolutely recommend!"

Dennis de Rooij - Project Director at MediaMonks

"Thijs is a machine. Not only is he a very skilled developer but he's someone who likes to strive for top quality and transfer his knowledge to everyone in his team. During my years working with him, I not only learned from his technical skills but also from his vast experience leading other developers (which included many highly skilled, experienced programmers)."

Ronald Méndez - Operations Director at MediaMonks & FWA Jury Member

"I highly recommend Thijs for his great technical skills and ability to deliver high quality work. He possess a friendly and approachable nature, fostering a collaborative work environment. With his attention to detail and commitment to meeting deadlines, he is a valuable asset to any development team."

Robert Slootjes - Technical Director at MediaMonks

"Having worked with Thijs over a period of more than 15 years, I can honestly say that Thijs is one of the people I have enjoyed most working with. Thijs is a hard worker, with great dedication and focus, who will always go the extra mile to reach the best result possible. As a developer he has vast knowledge of the field he is active in, always strives for improvements, and puts quality first. He has a broad perspective, always trying to view things from multiple sides, and is always willing to learn new things. As a team lead Thijs takes great care of his team members, putting their interests in favour of his own, while using a personal approach to each and every one to make sure they have an optimal environment to work, thrive and develop in. Besides that, Thijs is generally a really nice guy with a great sense of humour, easy going and flexible, with a strong focus on principles without being dogmatic. Any company should feel proud and blessed to have Thijs in their team."

Stephan Bezoen - Lead Android Developer at MediaMonks

Read more: <https://www.linkedin.com/in/tyz81/details/recommendations/>