Quóc Nam Tràn

Frontend Engineer

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ABOUT ME

I am Nam, a frontend developer and graduate of the Developer Akademie. My focus is React interfaces in TypeScript that stay correct when data arrives late, twice or not at all. I work spec-first with Claude Code: specification and tests first, then implementation. That keeps the decisions with me and makes generated code reviewable. I run my applications myself on my own domain, including deployment and follow-up fixes. Next I want to build interfaces for products connected to real hardware, in a team that takes code reviews seriously.

SKILLS

- **Frontend (advanced):** TypeScript · JavaScript (ES6+) · HTML5 · CSS3/SCSS · Tailwind · Angular (standalone, Signals, RxJS)
- **React stack (good):** React · Next.js · Progressive Web Apps · Three.js
- **APIs & backend:** REST APIs · Node.js (basics, project experience) · Hono · Python · Django REST Framework · SQL/PostgreSQL
- **Quality & testing:** Vitest · Playwright · pytest · accessibility (WCAG) · Lighthouse CI · code reviews
- **Operations:** Docker · Docker Compose · GitHub Actions · Nginx/Caddy · Git · Linux/WSL

PROJECTS

Zyklus · multilingual React PWA with account backend · mci.quocnamtran.com
Training and nutrition logs in German, English and Vietnamese. Entries are stored locally first and then sync with the account backend; plus barcode and food search. My own rebuild of an existing fitness app, without its branding. 62 frontend and 23 server tests passing as of 16 Oct 2026. *React · TypeScript · PWA · Hono · SQLite*

Pokédex Holo TCG · trading card remake in 3D · pokedex.quocnamtran.com · github.com/tranqn/pokedex-holo-tcg
Interactive 3D cards with Three.js, as a PWA in German and English. Components and flows tested with Vitest and Playwright. *Next.js · React · TypeScript · Three.js*

Praxis UI Lab · Angular case study on medical practice workflows · praxis-ui-lab.quocnamtran.com
Angular with Signals and without Zone.js. State transitions for appointments and records, optimistic updates with conflict detection, a privacy lock at the data layer, automated accessibility checks. Backend mocked with MSW, all data synthetic. 388 unit tests passing as of 16 Oct 2026. *Angular · Signals · TypeScript · Vitest · Playwright*

Bookstore · Angular shop with server-side rendering · bookstore.quocnamtran.com · github.com/tranqn/bookstore
Accessibility and Lighthouse run as a CI gate, so a regression fails the build. Book recommendations via the Gemini API with a local embedding model and a keyword fallback if the API is down. *Angular · SSR · TypeScript · Lighthouse CI*

EXPERIENCE

03/2023 – 09/2023 **Working student, market analysis**, Finanz-DATA GmbH

Market and competitor analyses for B2B software, prepared for business units and decision makers.

Maths tutor, Schülerhilfe

One-to-one and group lessons with my own materials, explaining complex topics clearly.

EDUCATION

08/2025 – 07/2026 **Certified web development program**, Developer Akademie *(completed)*

Twelve months of continuous project work with Angular, TypeScript, RxJS, REST APIs, automated tests and agile teamwork.

10/2018 – 09/2023 **Business informatics (no degree)**, Chemnitz University of Technology

Software engineering, algorithms, databases, human-computer interaction, project management.

2015 – 2018 **Vocational Abitur (higher education entrance qualification), business focus**, Riesa

MORE

Languages German (native) · English (B2) · Vietnamese (basic)

Work model hybrid or on site in Saxony and Berlin, or remote anywhere in Germany; willing to relocate within Saxony and to Berlin

Available immediately

Interests volleyball · chess · videography and video editing