



# Louise Høpfner

PRODUCT-FOCUSED FRONTEND DEVELOPER (REACT/TYPESCRIPT)

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## Profile

Frontend developer (React, TypeScript) with 10+ years of experience in digital product environments and several years of hands-on frontend development.

I focus on making complex solutions simple and user-friendly, working across both code and product, from component architecture and state management to user experience and prioritization.

Experience with API integrations, server state (TanStack Query), and building UI flows with high user interaction.

Thrive in cross-functional teams, contributing to technical decisions, product direction, and collaboration.

## Experience

### Frontend Developer (Freelance)

Freelance | 2024 – present

- Design and develop React/TypeScript solutions with a focus on simple architecture and predictable state management
- Implemented TanStack Query (server state, API calls, caching, rate limiting)
- Simplified existing setups (Webflow, Blazor), reducing complexity and improving long-term maintainability
- Develop websites using Astro + Sanity with a focus on performance and maintainability

#### Selected Projects:

- **PocketSpells (React, TypeScript, Vite)** – mobile-first app for D&D gameplay with fast search, filtering, and saving of spells. Handles server state, caching, API calls, and rate limiting (TanStack Query) → [live](#), [GitHub](#)
- **TeamKey (Tailwind, Blazor)** – modernized design and frontend, built a consistent component structure, and reduced complexity in UI logic → [live](#)

### Product Development & Project Lead

FOA | 2023 – 2024

- Worked on a web platform and mobile app with a shared backend and different user needs
- Translated complex user and business requirements into solutions → collaborating closely with frontend, backend, and UX
- Defined data structure and presentation in the mobile app → made personalized data clear and relevant
- Prioritized development and managed stakeholders → ensured progress and alignment across product, data, and UX

## Skills

### Frontend (core)

React • TypeScript • Astro

### Data & API

TanStack Query • API integration

### UX / UI

Tailwind • Component Architecture  
• Figma

### Backend / Other

.NET/C# • Sanity CMS

### Tools

Vite • ESLint + prettier • Git/  
GitHub • GitHub Copilot

## Education

### MSc in Physics

University of Copenhagen, 2015

### Strong analytical foundation

Trained in solving complex problems systematically, from quantum mechanics to code

### Computational skills

Experience with advanced data processing, algorithms, and mathematical modelling

### Complex domains

Comfortable working with high levels of complexity and abstraction, in both physics and software

## Experience (continued)

### Digitalisation Consultant & Team Lead (Product Development)

NEXT Uddannelse København | 2020 – 2023

- Worked at the intersection of business, development, and users → aligning needs with technical solutions
- Translated complex business requirements into user stories and contributed to decisions on system architecture, integrations, and data flows
- Introduced a Shape Up-inspired way of working → improved focus, prioritization, and delivery of completed solutions

### Programming & Physics Teacher

Københavns Mediegymsnasium | 2016 – 2021

- Taught JavaScript and creative coding (p5.js, ml5.js)
- Communicated complex technical concepts in an accessible way
- Developed practical, hands-on teaching materials

### Frontend Developer

Netcompany (TDC Erhverv) | 2015 – 2016

- Developed React-based UI components for a self-service platform and worked with backend API integrations
- Helped reduce complexity in state management by simplifying existing structures
- Collaborated closely with backend developers on API design and data flows

## Selected Achievements

- Reduced complexity in frontend solutions by restructuring components and state → improved maintainability and scalability (React, Webflow, Blazor)
- Implemented server state management with TanStack Query → improved UI stability and handling of API calls
- Built frontend structure in a backend-heavy team → improved consistency and overall UI quality (TeamKey)
- Developed user-focused solutions with fast interaction, low friction, and real-time usage in mind (PocketSpells)

## Selected Projects & Courses

### Web Development - Backend

Diploma course in .NET backend development. Project: survey app with feedback functionality, 2018

### Digitalisation in Practice, ITU

Course in business, change management, and human behaviour, 2021

### Leading Digital Transformation, DTU

Diploma course in digitalisation and digital transformation with a focus on leadership, business needs, and change management, 2021