

## Pedr Browne

### Software Engineer

I'm an experienced software engineer, with the last decade focused on front-end web-app development within the React ecosystem, but drawing from many previous projects building MPAs and mobile apps. I write lean, well-tested code using the best bits of functional programming, while keeping the code easy to read and reason about. I'm comfortable collaborating on prototypes with designers, defining and refining spec alongside engineers, or brainstorming features with stakeholders. Always pragmatic and inquisitive, if I wasn't writing code for a living. I'd be doing it for fun.

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## Core Skills

- TypeScript 2 years+.
- JavaScript 10 years+.
- React ecosystem 9 years+.
- CSS 10 years+ (Tailwind, Styled-Components, CSS Modules, Sass).
- Backend experience with Rails, Node and Next.
- Experience across development process from specification, through design/UX, wire-framing, prototyping, build, revision, and QA.
- Strong emphasis on unit, e2e and component testing (Vitest, Jest, Playwright, Cypress).
- Git, including Github and Gitlab workflows.
- VSCode w/ Copilot, integrating AI into workflow.
- Maintained CI pipelines (Gitlab CI, GitHub Acts.).
- Experienced with consuming and specifying RESTful and GraphQL APIs, both cookie-based and JWT auth (React Query, urql, Axios).
- Written and maintained complex documentation and style guides (Storybook, Postman, Notion).
- Familiar with common development tooling, including Vite, Webpack, Babel, ESLint, Prettier, Husky, Commitlint, Semantic Release etc.
- Well versed in researching and evaluating third-party code, platforms and infrastructure.
- Eloquent communicator, comfortable working remotely, independently or within a team.
- Quick to adapt to different environments, technologies and project management styles.
- Drive to learn and experiment with new tech.

## Employment History

### Career break

May 2024–May 2025

- Travelled, built personal projects, and upskilled.

### Sleepstation

#### Senior Front-End Developer

Jul 2018–May 2024

UK's leading digital insomnia treatment service  
sleepstation.org.uk

React, Redux, Styled-Comps, GraphQL, Jest,  
Lerna, URQL, Cypress, Storybook, Gatsby, Rails

- Front-end lead role on product dev team.
- Architected, built, and maintained multiple FEs for service-users and company personnel.
- Worked closely with designers, front- and back-end developers and Technical Director to define requirements, estimates and timelines.
- Maintained monorepo, documentation, unit and e2e tests, style guide, and Gitlab CI pipelines.
- Mentored junior developers through paired programming and collaborative code reviews.

From 2005–2018 I worked as a consultant software engineer and developer, engineering solutions for a wide variety of clients. This is a small selection of my clients from that period.

#### **Scribblar**

##### **Senior Front-End Developer & UX Designer**

2017–18

Collaborative whiteboard web-app  
scribblar.com

React, Styled-Components, Jest

- Worked with stakeholders to document and define functionality and approach to V2 of app.
- Created UI wireframes and prototypes.
- Built app layout and components.

#### **TriNetX**

##### **Senior Software Engineer**

2014–2017

Pharmaceutical trial and research platform  
trinetx.com

React, Redux, Sass, Styled-Components, Jest

- Heavily involved in MVP and V1 release, from initial wireframes to successful delivery.
- Built complex components including charts and dashboards for exploring large data-sets.
- Worked closely with stakeholders, designers and UX to specify components and functionality.

#### **Intercity**

##### **Full-Stack Developer**

2014–2018

intercitystudio.com

Branding and design consultancy  
Rails, Sass, JavaScript

- Built and maintained websites for Intercity's clients as well as their own company site.
- Worked closely with designers to deliver pixel-perfect layouts and diverse functionality.
- Built custom content-management systems.

#### **Institute of Development Studies (IDS)**

##### **Web Developer**

2014–2016

ids.ac.uk

Educational and research institution  
Rails, Sass, JavaScript

- Designed and built research archive for Pathways, an NGO promoting Women's Rights.
- Designed and built educational platform and online interactive teaching resources for universities and community groups.

## **Recent Personal Projects**

#### **swatchmaker.com**

Nextjs, Node, TypeScript, React, Tailwind.  
Full front- and back-end for scraping and analysing data, and building interactive visualisations and prints.

#### **github.com/undistracted/coons-patch**

TypeScript, Vitest.

Package providing a fully-featured grid system for a deformable two-dimensional grid including access to different types of interpolation and powerful configuration options.

#### **github.com/undistracted/coons-patch**

TypeScript, Vitest.

Package for creating a coons-patch surface from cubic Bezier curves and calculating the coordinates of surface points.

#### **github.com/undistracted/warp-grid-editor**

TypeScript, React, Tailwind, Vitest, Playwright.

App with complex GUI for editing warp grids, including project management features and export to code or SVG.