

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. Pragmatic in my approach, adaptable and inquisitive, I find the work I do endlessly interesting, and ultimately very satisfying. If I wasn't writing code for a living, I'd be doing it for fun.

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Core Skills

- JavaScript 10 years+.
- React ecosystem 9 years+.
- TypeScript 2 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 (Jest, Vitest, Cypress, Playwright).
- 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 Webpack, Vite, 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

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/warp-grid

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 for columns, rows, gutters and distribution.

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.