

Pedro Brandão

Software Developer

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Summary

Software Developer with 6+ years of experience building web applications (Angular and Next.js) for healthcare and academic sectors. Specializing in modern frontend architecture and component-based design. Experienced working in regulated environments and remote teams. Interested in product development and design systems optimization.

Technical skills

- Programming Languages: JavaScript, TypeScript, HTML, CSS
- Frontend: Angular, React, Next.js, Ionic Framework, Tailwind CSS, shadcn/ui (Radix UI), Three.js
- Backend (working knowledge): Node.js, HTTP/REST APIs, PostgreSQL, Drizzle ORM
- Mobile: Capacitor, Cordova
- Tools & Other: Git, Docker, Linux, Figma
- Human languages: Portuguese (native), English (professional), Spanish (conversational)

Professional Experience

Software Developer - Cambridge Digital Health | 2019 - present | Remote

- Frontend architecture and development of web and hybrid mobile healthcare applications, dashboards and administrative tools.
- Design and maintenance of scalable, reusable component systems, ensuring UI consistency across platforms.
- Cross-functional collaboration with engineers, designers, and product teams to document best practices and maintain cohesive user experiences.

Key Projects:

- **Heartfelt Health Integrity** - 2024 - present - Clinical trial management app for UK & US sites. Tech: Next.js, Shadcn/ui, Tailwind CSS, TanStack, Drizzle ORM. Impact: Deployed in production, improving trial data tracking across multiple sites.
- **Heartfelt Companion App** - 2023 - present - Mobile app for heart-failure symptom monitoring and device connectivity. Tech: Angular, Ionic, Capacitor, PostgreSQL. Impact: Increased patient engagement and reporting consistency.
- **NIPE - textbook in a pocket** - 2022 - 2024 - Educational platform with dashboards, CMS, and payment integration. Tech: Angular, Ionic, Cordova, PostgreSQL. Impact: Improved access to verified neonatal training resources.

Previous Professional Experience

Architect - Multiple firms & self-employed | 2010 - 2019 | Porto, Portugal and Remote

- Architectural surveying and design, 3D modelling and rendering, Construction management.

Education & Professional Qualifications

- **CS50: Introduction to Computer Science** - Harvard University | 2019 | Remote
- **Masters in Architecture** - Escola Superior Artística do Porto | 2004 - 2010 | Porto