



Bruno Alexandre Martins da Silva

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Date of birth: 02/09/1984 **Nationality**: Portuguese

WORK EXPERIENCE

Bhindle

City: Gondomar

[11/2024 – Current] **Founder**

Conceiving and designing TaDone (<https://tadone.app>), a SaaS to support children with ADHD and autism in managing daily routines. The solution is clinically supported by PIN, a leading Portuguese neurodevelopment clinic.

- Designed and developed the entire product end-to-end: front-end (Angular, i18n), back-end (Firebase, serverless functions), and supporting infrastructure.
- Implemented CI/CD pipelines, database seeding, and automated E2E testing to ensure quality and scalability.
- Built accessibility-first UI/UX, leveraging experience as a Lead Accessibility Specialist to make the app usable for neurodivergent children.
- Created video and social media pipelines for outreach, handling multilingual content, translations, and engagement campaigns.
- Conducted user research with parents, children, and therapists to align features with clinical practices and behavioral therapy methods.
- Established partnerships with PIN Clinic, providing scientific validation and credibility.
- Currently growing user adoption and refining product-market fit through free early access.
- Created AI instructions and MCP server to increase productivity with extremely accurate code completion and code analysis.

Technologies used in this role:

- Angular (v19 and above)
- Typescript
- Firebase (Functions, Firestore, Auth, AppCheck, Analytics, Messaging, Hosting, Storage)
- Git
- Github Actions
- Playwright
- Astro
- HTML5
- CSS3 (SCSS)

LetsGetChecked

City: Porto

[03/01/2024 – 08/11/2024] **Lead Accessibility Specialist**

A pivotal role in championing and leading accessibility initiatives throughout the organization. More than just compliance; it's about leading a cultural shift towards accessible healthcare technology. In this role I was responsible for:

- Creating a company wide strategy to comply with WCAG 2.1 AA.
- Assessed current status for all company wide solutions with automated and manual tools.
- Introduced success criteria for each team with the compliance strategy in mind.

- Pushed for and supervised the creation of a company wide UI library that implemented accessibility best practices from the ground up. This saved hundreds of work hours on duplicated components.
- Leveraged personal expertise in accessibility, healthcare, and front-end engineering influence teams to adopt accessibility as a mission.

The ability to leverage my experience in front-end development, design, healthcare and my own disabilities has put me in a unique position to lead such a meaningful initiative that really I'm proud of.

LetsGetChecked

City: Gondomar | **Country:** Portugal

[07/03/2022 – 03/01/2024] **Senior UX Engineer**

Joined the iLab Research and Development team to:

- Explore and conceptualize POCs such as:
 - Live glucose monitoring dashboard with drill down capabilities. For this POC I introduced accessible charts in presentations.
 - Dynamic patient banner that adapts to context, providing relevant context at a glance.
 - AI assistant that showed good practices in the healthcare context. It would show only available dosages, alert doctors for medication interactions and allergies, and require confirmation for final action.
 - Enterprise focused application designed to drive good health habits with a competition for prizes and clout.
 - Conceived an end-to-end experience for at-home patient care that would keep patients and clinicians in the loop.
- Inspire co-workers to adhere to Accessibility and UI best practices.
- Helped other teams meet deadlines.
- Helped establish a Culture Committee to drive engagement among colleagues.

Technologies used in this role:

- Angular (v15 and up)
- HTML5
- CSS3 (SCSS)
- AWS (S3, DynamoDB, Lambda Functions, CloudFront, IAM, Secrets Manager, API Gateway, Step Functions)
- Typescript

Centro Hospitalar de São João

City: Porto | **Country:** Portugal

[15/09/2008 – 03/2022] **Lead front-end developer**

Design and development of an Electronic Patient Record (jOne) from the ground up at Centro Hospitalar São João. jOne brought a unified digital transformation to services such as:

- Pediatric ER that relied on paper
- Prescriptions that were previously handled by more than 5 applications and in some cases still on paper.
- Integration platform built in-house to communicate with other systems via HL7. This platform introduced a centralized hub to distribute data while being compliant with local legislation.
- Dynamic multi-step questionnaires with ability to derive results that allowed us to extend the product via configuration. This allowed non-technical users to contribute to the product. This was particularly impactful during the covid pandemic that raised the need for a quick adoption of national standards for treatment and data records.

My role in this project was to lead the front-end development by being responsible for:

- Interviewing users, understanding their needs as well as business goals, and advocating solutions that brought tangible impact to the users.
- Driving technical decisions such as choosing web technologies over Windows Desktop applications, using responsive UI that unlocked a breath of new devices to be used.
- Creating consistent user friendly UI across multiple areas that enabled professionals to seamlessly transition between responsibilities and still be familiar with the entire system.
- Creating initiatives that improved patient care with contextual information design, API and "hot path" optimization to enable near instant data visualizations.
- Established good practices to improve developer productivity, composition principles, context aware components enabling our small team of 4 to build a world class solution.

Technologies used in this role:

- Angular (from AngularJS to Angular version 14)
- CSS3 (SCSS)
- Typescript
- PL-SQL
- WCF (Windows Communication Foundation)
- Git

In Feb 2014 jOne was the winner of the MSHUG 2014 Innovation Award for it's groundbreaking patient condition prediction engine that predicts when a patient will be getting worse and needs medical attention reducing treatment costs and improving patient care.

ACSS (Adiminstração Central de Sistemas de Saúde)

City: Porto | **Country:** Portugal

[11/2011 – 05/2012] **Frontend Developer**

Part of the development team's of the national Health Data Platform (PDS - Plataforma de Dados da Saúde).

The Health Data Platform (PDS) is a web platform which provides a central system for recording and sharing of clinical information across all Portuguese healthcare institutions.

Multivector TI – Tecnologias de Informação SA.

City: Braga | **Country:** Portugal

[13/03/2006 – 31/07/2008] **Software Developer**

- MSN Auto and MSN Casa (Home) for Microsoft Portugal in ASP.NET 2.0 and SQL Server 2005;
- Development of a WPF (Windows Presentation Foundation) interactive solution to present in storefronts with real estate properties. It was introduced by Microsoft Portugal on Windows Vista's launch event and several others across the country;
- Development of a services framework for a family of applications.

BUT Informática

City: Oliveira de Azeméis | **Country:** Portugal

[06/2005 – 03/2006] **Developer / Designer**

- Developed management systems for rentals, courses, and repairs.
- Created WPF based storefront solutions and marketing materials.

[03/2010 – Current]

Freelance App Designer / Developer

- Built Series app to track and share TV shows (iOS, Windows Phone).
- Developed iHomensDaLuta apps (iOS, Android).

Eva Atelier

City: Porto | **Country:** Portugal

[07/2009 – 02/2013]

Web Designer / Developer

Developed and helped design the website first in Silverlight then in HTML5. Online from 2010 to Feb 2014.

EDUCATION AND TRAINING

[09/2013 – 11/2013]

Pedagogical Aptitude Training Course - IEPF certified trainer (CAP)

ENA - Escola de Negócios e Administração

City: Vila Nova de Gaia | **Country:** Portugal | | **NQF Level:** Final Grade: 4

[11/2004 – 03/2006]

Bachelor

Escola Superior Aveiro-Norte

City: Ovar | **Country:** Portugal | | **Level in EQF:** EQF level 5

General:

- Mathematics
- Technical English

Occupational:

- Software Development (.Net, Python, Assembler and others)
- Design (Flash, Photoshop and others)
- Management and planning of software projects

[09/2004 – 07/2005]

12nd year in IT

Escola Secundária Soares Basto

City: Oliveira de Azeméis | **Country:** Portugal | | **Level in EQF:** EQF level 4

General:

- English
- Mathematics

Occupational:

- Basic software development in several languages (Turbo C, Turbo Pascal, Visual Basic and others)

LANGUAGE SKILLS

Mother tongue(s): Portuguese

Other language(s):

English

LISTENING C2 **READING** C2 **WRITING** C2

SPOKEN PRODUCTION C1 **SPOKEN INTERACTION** C1

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

HONOURS AND AWARDS

Honours and awards

jOne was the winner of the MSHUG 2014 Innovation Award for its groundbreaking patient condition prediction engine that predicts when a patient will be getting worse and needs medical attention reducing treatment costs and improving patient care.

Presentations

November 22nd 2006

Event "READY FOR A NEW DAY FOR DEVELOPERS" Participation on stage for the demonstration of Imokapa SlideShow developed at Multivector using Windows Presentation Foundation.