



## Victor Nunes

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### ABOUT ME

Senior Frontend Engineer with over six years of experience architecting high-performance web applications and design systems. Specialized in the modern React ecosystem (Next.js 13+, Server Components, TypeScript), with a proven track record of solving complex infrastructure challenges—most recently achieving a 94% reduction in build modules and a 2.5s improvement in TTFB for a high-traffic fintech platform. Expert in bridging the gap between design and engineering through custom tooling (Themizer CLI) and rigorous accessibility standards (WCAG 2.1 AA). Recently completed a 6-month professional English immersion in Dublin (C1 proficiency), demonstrating strong intercultural adaptability and readiness for the Irish technology market.

### WORK EXPERIENCE

#### HEAD OF FRONTEND DEVELOPMENT – METAMATCH – 09/05/2025 – 14/11/2025 – REMOTE, BRAZIL

Led the frontend engineering division for a fintech platform, overseeing architectural decisions, developer experience, and performance standards.

- **Architectural Migration (Next.js 15):** Orchestrated a complete rewrite of the data layer, migrating from client-side RTK Query to React Server Components (RSC) and Server Actions. This architectural shift eliminated waterfall requests and moved heavy computational logic to the server.
- **Performance Engineering:** Achieved a 94% reduction in build complexity (reducing module count from 17k to 1k) and improved Time to First Byte (TTFB) by approximately 2.5 seconds through aggressive static generation and server-side rendering strategies.
- **Complex State Management:** Designed the state architecture for real-time financial features (market predictions, user balances) using Redux Toolkit, implementing optimistic UI updates to ensure perceived zero-latency for users.
- **Technical Leadership:** Mentored a squad of engineers on modern TypeScript patterns and Next.js best practices, while coordinating technical roadmaps with backend and design stakeholders.

#### INDEPENDENT FRONTEND ENGINEER (FREELANCE) – 03/06/2024 – 17/01/2025 – DUBLIN, IRELAND

Maintained technical currency while completing an intensive English immersion program in Dublin. Focused on specialised consulting for accessibility and performance.

- **Accessibility Consulting:** Conducted WCAG 2.1 AA audits for mental health SaaS platforms, implementing semantic HTML structures and ARIA remediation to ensure compliance for screen readers.
- **Tooling Development:** Developed 'AINotator', an interactive image annotation tool using Fabric.js for semantic segmentation data, integrating complex canvas interactions with React.
- **Open Source:** actively contributed to the open-source ecosystem, releasing 'Themizer', a design token CLI tool.

#### SENIOR FRONTEND DEVELOPER – POLKAMARKETS LABS – 15/08/2022 – 15/02/2024 – REMOTE, PORTUGAL

Core contributor to a decentralized prediction market platform, focusing on scalability, reliability, and user inclusion.

- **Platform Redesign (v2):** Led the frontend implementation of the platform's version 2, successfully delivering a fully responsive interface with strict adherence to WCAG 2.1 AA standards for accessibility.
- **Performance Optimization:** Improved Google Lighthouse scores by 15% through a combination of asset optimization, code-splitting Redux actions, and refactoring CSS-in-JS implementations.
- **Quality Assurance Infrastructure:** Introduced and standardized a testing culture by implementing Jest for unit testing and Storybook for component isolation, which reduced regression rates and accelerated feature delivery.

#### FRONTEND DEVELOPER – WELLHUB (FORMERLY GYMPASS) – 02/08/2021 – 29/07/2022 – REMOTE, BRAZIL

Specialized in Design System architecture and user onboarding flows for a global corporate wellness unicorn.

- **Design Systems Engineering:** Refactored the internal design system by centralizing design tokens and standardizing Styled Components, resulting in a 10% measurable increase in developer productivity and UI consistency.
- **Feature Ownership:** Owned the end-to-end implementation of the QR-code onboarding UI for the 'Vitalk to Wellz' migration, translating high-fidelity Figma prototypes into pixel-perfect React components.

## JUNIOR FRONTEND DEVELOPER – BEPRO NETWORK – 02/11/2020 – 30/07/2021 – REMOTE, PORTUGAL

- **Web3 Integration:** Implemented authentication flows using MetaMask wallet connections and integrated complex REST APIs for a decentralized betting protocol.
- **Performance:** Optimized legacy React/Bootstrap pages, achieving a 15% performance gain.

## EDUCATION AND TRAINING

03/06/2024 – 17/01/2025 Dublin, Ireland

### ENGLISH LANGUAGE IMMERSION (C1/PROFESSIONAL) EC Dublin (Ireland)

Intensive language program focused on professional communication. Achieved IELTS Academic certification (Band C1).

- Proven intercultural adaptability gained through living and working in Dublin, Ireland. Capable of integrating seamlessly into English-speaking teams and navigating diverse cultural work norms. Experienced in remote-first communication, ensuring clarity and cohesion across distributed teams in Brazil and Portugal.

**Field of study** Personal skills and development

04/06/2018 – 30/07/2021 Maceió, Brazil

### UNDERGRADUATE STUDIES IN DESIGN & VISUAL COMMUNICATION (DISCONTINUED) Federal University of Alagoas (UFAL)

- **Curriculum Status:** Completed approximately 75% of the core curriculum (equivalent to ~210 ECTS credits) with a specialization in digital media and interaction design.
- **Technical Modules:** Applied Web Design (HTML5/CSS3), Interface Ergonomics (WCAG Accessibility Standards), Information Design, and System Analysis for Interfaces.
- **Transferable Skills:** Acquired deep theoretical knowledge of 'Atomic Design' principles, Grid Systems, and Color Theory, providing the architectural basis for current expertise in React/Next.js Design Systems.
- **Program Conclusion:** Academic studies were concluded in late 2021 to prioritize full-time remote engineering opportunities during the COVID-19 pandemic. The transition from academic theory to applied engineering was accelerated by the global demand for digital transformation services.

**Field of study** Fashion, interior and industrial design , Software and applications development and analysis | **Level in EQF** EQF level 5

**Link** <https://fau.ufal.br/graduacao/design/oferta-academica/2026/ajustes-janeiro-26-oferta-2026-01.pdf/view>

07/02/2011 – 26/12/2014 Arapiraca, Brazil

### VOCATIONAL TECHNICAL COURSE IN INFORMATICS (INTEGRATED HIGH SCHOOL) Federal Institute of Alagoas (IFAL)

Intensive 4-year integrated technical program focused on Logic, Algorithms, Database Management (SQL), and Object-Oriented Programming. Graduated with distinction in software development disciplines.

**Field of study** Information and Communication Technologies (ICTs) not further defined , Computer use , Database and network design and administration , Software and applications development and analysis , Information and communication technologies not elsewhere classified , Inter-disciplinary programmes and qualifications involving Information and Communication Technologies (ICTs)

**Final grade** 9/10 | **Level in EQF** EQF level 4

## PROJECTS

### Themizer - Design Token CLI Tool

Developed a TypeScript-based CLI tool to bridge the gap between Design (Figma tokens) and Engineering (CSS variables).

- **Tech Stack:** TypeScript, Node.js.
- **Context:** This project was conceptually founded on **Information Architecture** and **Systematic Design** principles acquired during undergraduate Design studies.
- **Impact:** Achieved an 88% reduction in CSS bundle size for consumer applications through a custom base-52 minification algorithm.
- **Innovation:** Implemented OKLCH color space manipulation for automatic palette generation, supporting Next.js and Vite environments.

**Link** <https://www.npmjs.com/package/themizer>

### Tailwind-Expand

Developed a build-time utility to transform CSS component aliases into atomic Tailwind classes.

- **Tech Stack:** TypeScript, Rust (implied by tooling trends), PostCSS.
- **Relevance:** Solves the specific problem of "class bloat" in large-scale Tailwind applications.

Link <https://www.npmjs.com/org/tailwind-expand>

Virtual Exhibition (UFAL)

Architected an immersive web platform for the Federal University of Alagoas.

- **Tech Stack:** React, Material UI.
- **Scale:** Served thousands of concurrent visitors during the university's anniversary event.

Link <https://sites.ufal.br/ufal-60-anos/>

LANGUAGE SKILLS

Mother tongue(s): **PORTUGUESE**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	C1	C1	B2	C1	B2

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

SKILLS

Information and Data Literacy (browsing, searching, filtering, and managing data)

REST APIs | JSON | RTK Query | GraphQL

Communication and Collaboration (interacting and sharing through digital technologies)

Git | Slack | Jira | Figma | GitHub | Notion

Digital Content Creation (developing digital content, programming, and copyright)

JavaScript | Vue | Fabric.js | Redux | web-components | Tailwind CSS | React.js | styled-components | Polymer | Angular | SDUI (Server Driven UI) | Next.js | Node.js | Material UI | HTML | CSS | TypeScript | Bootstrap | MongoDB | SSE (Server-Sent Events)

Safety (protecting devices, personal data, and health)

WCAG 2.1 AA | Web3Auth | SSR (Server-Side Rendering) | DigitalOcean | Vercel | OAuth | ThirdWeb | Web3

Problem Solving (solving technical problems and identifying needs)

Debugging | CI/CD | Jest | Vitest | Performance Optimization | Microsoft Clarity | Lighthouse