

# Pedro Nobre

## Systems & UI Engineer

Self-taught software engineer with over a decade of experience across the entire stack, specialized in low-level code, API architecture, and front-end engineering. Driven by a craftsmanship mindset, open-source principles, and high-performance design.

### Work Experience

Software Engineer · **OITalent** November 2024 — June 2026

- o Architected, developed, and managed educational software engineering content and automated testing suites deployed across an international network of 27+ campuses in 14 countries.
  - o Revamped, audited, and fine-tuned the global Rust curriculum, engineering robust automated validation tools and reference implementations.
  - o Collaborated directly with a decentralized network of campus teams to optimize grading pipeline efficiency, maintain curriculum quality, and ensure content reliability.
- Rust · Go · JavaScript · Shell Scripting · Docker

### Formal Education

Undergraduate Coursework in Computer Science · **Universidade do Minho** 2024

- o Leveraged advanced foundational coursework in functional programming paradigms and object-oriented systems to complement long-term practical experience.
- Haskell · C · Java

Student · **42 Porto** 2022

- o Part of the inaugural batch of accepted students at 42 Porto's peer-to-peer program.
  - o Sharpened deep technical competencies in manual memory management, data structures, and algorithmic complexity via strict Unix-compliant C/C++ development.
  - o Mentored peers and established a strong collaborative footprint within the region's top-tier tech talent network.
- \*nix · C · C++

Pisciner · **42 Porto** 2022

- o Completed the rigorous, 4-week selection pool testing fundamental software engineering aptitude, collaborative problem-solving under extreme constraints, and shell automation, resulting in direct admission.
- \*nix · Shell Scripting · C

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### Skills

#### Programming languages

Rust · Zig · HTML · CSS · JavaScript/TypeScript · GoLang · C · Java

#### Technologies & Environments

node.js · Bun · Deno.js · tokio · Solid.js · React · Next.js · Tailwind CSS · Panda CSS · styled-components · MongoDB · SQL · LLVM · \*nix

#### Tooling & Platforms

Git · GitHub · Netlify · Vercel · Heroku · Firebase · Docker

### Languages

#### Portuguese

Native Proficiency

#### English

Full Professional Proficiency

#### Spanish

Professional Working Proficiency

#### French

Limited Working Proficiency

### Interests

Gaming, powerlifting & nutrition, open-source, Linux ricing & hardening