Ricardo Nogueira

Full Stack Software Engineer

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PROFESSIONAL SUMMARY

Full Stack Software Engineer with almost 3 years of production experience building enterprise and industrial systems with React, TypeScript, PHP and Node.js. Built a Manufacturing Execution System (MES) used in textile and furniture production, integrated multiple ERPs (Sage X3, PHC, Primavera) and designed a distributed real-time architecture. Focused on scalable, tested and maintainable software, with CI/CD and code review as daily practice.

PROFESSIONAL EXPERIENCE

Full Stack Software Developer — *Mindforge Tech Solutions (Softextil · Otimaideia)* 01/2024 – Present

Paredes, Portugal · Hybrid

- Built a Manufacturing Execution System (MES) for textile production, later adapted to the furniture industry.
- Designed a distributed real-time WebSocket architecture (Node.js, uWebSockets.js, Nginx), getting past the 1,024 concurrent connection limit.
- Integrated web platforms with ERPs (Sage X3, PHC) and WooCommerce through REST APIs and custom plugins.
- Automated manual processes between systems, replacing them with automated workflows.
- Implemented a GitHub Actions CI pipeline that runs unit tests and blocks failing merges.
- Perform code reviews and manage branches, pull requests and conflicts in Git/GitHub daily.
- Optimize the performance, scalability and security of production applications.

Technologies: TypeScript, React, PHP, Node.js, MySQL, Nginx, GitHub Actions

Full Stack Developer — *Different IT Solutions* 04/2024 – 07/2024

Maia, Porto · Hybrid

- Redesigned and optimized the client invoicing database (Microsoft SQL Server, AWS RDS) for higher user volumes.
- Created C# APIs and services for authentication and session management.
- Strengthened API security with access tokens and error-handling mechanisms.
- Ensured the technical integration and responsiveness of front-end elements.

Technologies: C#, PHP, JavaScript, HTML5, CSS, Bootstrap, AWS, ERP Primavera

Web Designer & Developer — *Petlandia, Lda* 12/2023 – 03/2024

Valongo, Portugal · Hybrid

- Managed and updated the company website: product catalogue, layout and content.
- Optimized the website for search engines (SEO), keeping it stable and working well.
- Created digital content and visual elements aligned with the brand identity.

Technologies: HTML5, CSS, JavaScript, SEO

Software Developer — *Skyview (Fleet Management)* 01/2023 – 07/2023

Gandra, Portugal · On-site

- Maintained and extended internal applications supporting the fleet management company's operations.
- Implemented new features in C#, PHP and Python.
- Worked with SQL databases to streamline internal processes and improve operational efficiency.

Technologies: C#, PHP, Python, SQL

EDUCATION

Bachelor's Degree in Computer Engineering — *ISTEC — Instituto Superior de Tecnologias Avançadas do Porto* 2024 – 2027 (expected)
3rd year in progress. Integrator project: DEC — Dinheiro em Casa (Team Leader).

Vocational Diploma in Computer Systems Programming — *EPV — Escola Profissional de Valongo* 2021 – 2024

TECHNICAL SKILLS

Languages: TypeScript, JavaScript, PHP, C#, SQL, Python, HTML5, CSS

Frameworks & libraries: React, Node.js, .NET Core MVC, Django, Flask, Next.js, Bootstrap, shadcn/ui, Tailwind CSS

Databases: MySQL, PostgreSQL, Microsoft SQL Server

APIs & integrations: REST APIs, WebSockets, Sage X3, PHC, Primavera, WooCommerce, WhatsApp Business API

DevOps & infrastructure: Git, GitHub Actions, CI/CD, Docker, Nginx, Linux, Proxmox, WireGuard, Tailscale

Practices: Systems architecture, unit testing, code review, Scrum, technical documentation, technical leadership

PROJECTS

Glowlly — *Management SaaS for barbershops*
Per-barber calendar, clients, till and stock, with a booking site for each shop and WhatsApp Business API integration.

Technologies: PHP, MySQL, Next.js, React, TypeScript

DriveMoney — *Personal finance PWA · ricardonogueira.pt/drivemoney*
Tracks transactions, fuel, tolls and fixed expenses, with a PHP REST API and token authentication.

Technologies: React, PHP, MySQL, PWA

DEC — Dinheiro em Casa — *Academic project (ISTEC) · Team Leader*
Financial literacy platform built as microservices (.NET Core MVC, Django REST API, Python calculation engine, MySQL and Nginx in Docker), with 27 unit tests.

Technologies: .NET Core MVC, Django, Python, Docker

Home Lab — *Personal project*
Self-hosted infrastructure with Proxmox, a Debian NAS and a WireGuard VPN behind CGNAT.

Technologies: Proxmox, Debian, WireGuard, Linux

LANGUAGES

Portuguese: Native | **English:** Intermediate (B1)