João Pedro Baptista *Backend Software Engineer*

✉ joaopedromotabaptista2003@gmail.com 📞 +351 913 794 031 📍 Barcelos, Portugal

🔗 joaobaptista03.github.io github.com/joaobaptista03 in linkedin.com/in/joaobaptista03

💼 EMPLOYMENT HISTORY

Uhold, *Backend Software Engineer* 🔗   08/2025 – Present │ Braga, Portugal (Hybrid)

Core Technologies: Go | Node.js (JavaScript)

- Maintaining an internal application in **Go** responsible for automating and orchestrating the movement of assets across exchanges, wallets, and custodians such as Binance, OKX, Fireblocks, KuCoin, and Coinbase.
- Maintaining a **Node.js** observability service for real-time event processing and tracking, utilizing a "handlers and trackers" architecture to monitor critical metrics - including asset balances in **Datadog**.
- Using tools such as **K9s** for service monitoring, **Datadog** for metrics and log analysis, and **Temporal** for observing and maintaining workflows.
- Collaborating with the FinOps team and other engineering teams to coordinate tasks, resolve incidents, and ensure the operational reliability of systems.

Checkmarx, *Backend Software Engineer* 🔗   06/2024 – 05/2025 │ Braga, Portugal (Hybrid)

Core Technologies: .NET Core (C#) | Go | Node.Js (JavaScript)

- Engineered **grammars** and **parsers** in **.NET Core (C#)** to construct Abstract Syntax Trees (**ASTs**) for code flow analysis, identifying vulnerabilities such as SQL Injection (CWE-89), Reflected and Stored Cross-Site Scripting (XSS) (CWE-79), Buffer Overflows (CWE-120), and Code Injection (CWE-94).
- Developed APIs using **Go** and **JavaScript** within a **microservices** architecture, enhancing security analysis capabilities.
- Used tools such as **Jira** for agile project management, **Azure DevOps** and **GitHub** for source code management and collaborative development and **Confluence** for documentation.
- Developed a Roslyn-based static analysis tool in C# to enforce coding best practices, implementing approximately 20 rules (e.g., removal of unused variables, enforcement of explicit type declarations).

🎓 EDUCATION

University of Minho, *Bachelor's in Software Engineering*   09/2021 – 06/2024 │ Braga, Portugal

Frameworks: ASP.NET Core, Express.js, Vue.js

Programming Languages: C#, C++, Java, Python, C, Haskell, SQL

🧠 SKILLS

| .NET Core (C#) | Go | Node.js (Javascript) | Jira |

🌐 LANGUAGES

Portuguese — Fluent **English** — B2 Certificate (British Institute of Braga)