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

Uphold, *Backend Software Engineer - Junior* 🔗   08/2025 – Present | Braga, Portugal

Core Technologies: Go, Node.js, JavaScript, Jira

- Maintaining and developing 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.
- Collaborating with the FinOps team and other engineering teams to coordinate tasks, resolve incidents, and ensure the operational reliability of systems.
- Using tools such as **K9s** for service monitoring, **Datadog** for metrics and log analysis, and **Temporal** for observing and maintaining workflows.
- Contributing to related projects, supporting continuous improvements and new integrations within Uphold's internal ecosystem.

Checkmarx, *Backend Software Engineer - Intern* 🔗   06/2024 – 05/2025 | Braga, Portugal

Core Technologies: .NET Core, C#, Go, JavaScript, Jira

- 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

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

Core Technologies:

Web Development: ASP.NET Core, Express.js, Vue.js
Programming Languages: C#, C++, Java, Python, C, Haskell
Database Management: SQL

🧠 SKILLS

| .NET Core | C# | Go | Node.js | SQL | MongoDB | Jira | Azure DevOps |

🌐 LANGUAGES

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