

João Pedro Baptista

Backend Software Engineer

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EMPLOYMENT HISTORY

Uphold, 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, **Temporal** for observing and maintaining workflows, **Jira** for agile project management, **GitHub** for source code management and collaborative development and **Confluence** for documentation.
- Collaborating with the FinOps team and other engineering teams to coordinate tasks, resolve incidents, and ensure the operational reliability of systems.

Checkmark, 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.
- 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).
- Used tools such as **Jira** for agile project management, **Azure DevOps** and **GitHub** for source code management and collaborative development and **Confluence** for documentation.

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 — Native

English — Professional Working Proficiency