

RODRIGO COELHO

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EDUCATION

Faculty of Sciences of the University of Lisbon
Bachelor - Software Engineering

Oct 2022 - Jun 2025

WORK EXPERIENCE

Fullstack Developer - Mid-Level Associate, Finsolutia S.A.
Core Banking · Fintech Platform · Lisbon, Portugal (Hybrid)

Jan 2026 - Present

- Develop ASP.NET Core Web APIs powering internal and client-facing financial platform features.
- Build backend services in C# and .NET following Clean Architecture, Dependency Injection, and Repository Pattern.
- Implement efficient data access using Dapper ORM and SQL Server, optimising query performance for financial transaction workflows.
- Contribute to scalable system design supporting complex financial operations within a Core Banking environment.
- Collaborate in Agile/Scrum teams using Git and Azure DevOps for CI/CD and version control.
- Drive code quality through code reviews, SonarQube static analysis, and modular architecture.

Fullstack Developer - Junior Associate, Finsolutia S.A.

Jul 2025 - Dec 2025

Promoted from internship after contributing to backend development of financial platform services.

- Developed backend API features for fintech applications within the Core Banking domain.
- Implemented performance-optimised Transact-SQL queries and data access modules.
- Integrated security scanning (Snyk) and error tracking (Exceptionless) into development workflows.
- Participated in code reviews and Agile development processes in collaboration with senior engineers.

Software Engineering Intern, Finsolutia S.A.

Nov 2024 - Jun 2025

- Supported C# backend service development and API testing within a fintech environment.
- Wrote and optimised SQL queries; contributed bug fixes and improvements across platform modules.
- Gained hands-on experience with ASP.NET MVC, ASP.NET Razor, Dapper, and Kendo UI.

PERSONAL INFRASTRUCTURE - HOMELAB

Three-node self-hosted environment

2025 - Present

- Run 25+ Docker services across a NAS and two micro servers, managed with Portainer and segmented Docker networking.
- Built full observability with the Grafana LGTM stack (Loki, Mimir, Tempo), node-exporter, cAdvisor and Promtail feeding a custom dashboard.
- Hardened public-facing services with CrowdSec intrusion detection, reverse proxy with wildcard Let's Encrypt SSL, and zero-trust remote access via Cloudflare Tunnel and Tailscale.

TECHNICAL SKILLS

Languages: C#, Java, Kotlin, C, Haskell, T-SQL

Frameworks & ORMs: ASP.NET Core, ASP.NET MVC, ASP.NET Razor, .NET Framework, Dapper

Databases: Microsoft SQL Server, Transact-SQL, Oracle SQL Developer

DevOps & Tools: Git, Azure DevOps, Microsoft Azure, CI/CD, Docker, SonarQube, Snyk, Exceptionless, Swagger, Kendo UI, jQuery

Architecture & Practices: Clean Architecture, Repository Pattern, Dependency Injection, Microservices, Design Patterns, Agile/Scrum, Code Review, Unit Testing

Web: HTML, CSS, JavaScript

Concepts: Distributed Systems, System Architecture, Performance Optimisation, OOP, Functional Programming, Data Structures, Algorithms