

JOSÉ EDUARDO MONTEIRO COSME

SOFTWARE ENGINEER

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Software engineer responsible for FC Porto's single sign-on platform (OpenID Connect / OAuth 2.0) - the identity and authentication layer behind all the consumer-facing products - and for the club's member portal. Previously led the end-to-end engineering of ContiForm, a .NET and React platform that digitised 50,000+ annual industrial forms, in production since December 2025. B.Sc. and M.Sc in Informatics Engineering.

EXPERTISE

IDENTITY & ACCESS

OpenID Connect · OAuth 2.0 · SSO · JWT · RBAC

BACKEND

C# · .NET Core · Entity Framework · REST APIs

FRONTEND

React · Next.js · TypeScript

DATA

SQL Server · MongoDB · Redis

EDUCATION

M.Sc. Informatics Engineering

University of Trás-os-Montes and Alto Douro
2023 / 2026

B.Sc. Informatics Engineering

University of Trás-os-Montes and Alto Douro
2020 / 2023

· Continental FOF scholarship

LANGUAGES

Portuguese	NATIVE
English	PROFESSIONAL
Spanish	PROFESSIONAL

EXPERIENCE

FC Porto - Software Engineer

Jan 2026 / Present

- Responsible for the club's single sign-on platform (OpenID Connect / OAuth 2.0), serving all the club's consumer-facing products, each with its own themed authentication experience.
- Responsible for the Member Portal, the club's membership website, managing new memberships, membership recovery, newborn registration, and its internal admin control center, authenticated against the SSO via OIDC.
- Ship end-to-end across both products: C#/.NET on the identity platform; Next.js, React, and TypeScript on the Portal; SQL Server, MongoDB, and Redis underneath.

Continental Advanced Antenna - Software Engineer (Internship)

Jul 2024 / Dec 2025

- Led the design, development, and delivery of ContiForm, a web platform that replaced paper ramp-up checklists at a factory producing 10-15 million antennas per year. 50,000+ forms digitised annually, in continuous production since December 2025.
- Designed its authentication and access-control layer: JWT with refresh tokens, BCrypt password hashing, and role-based access control mirroring the factory hierarchy.
- Architected the RESTful API (.NET Core, Entity Framework, SQL Server) and built the React interface used daily by factory-floor operators. Usability validated with a System Usability Scale score of 80.45.

A-MoVeR - Research Fellow

Mar 2024 / Dec 2025

- Research on interoperability and data accessibility in industrial environments (Industry 4.0/5.0). Authored three peer-reviewed publications at international conferences and journals.

PUBLICATIONS

Four peer-reviewed publications on industrial digitisation and web-based forms management: WEBIST 2023 · IFSA/ARCI 2025 · Springer LNBIP vol. 543, 2025 · CHIRA 2025.