

# PEDRO MOREIRA

FULL-STACK DEVELOPER

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## SUMMARY

Software developer with 4+ years of experience in building and maintaining web applications. Skilled in both front-end and back-end development, with a focus on delivering tailored solutions that meet client needs. Experienced in collaborating with diverse, multicultural teams across multiple locations.

## TECHNICAL SKILLS

- Frontend:** HTML, CSS, TypeScript, JavaScript, React, Tailwind CSS, Bootstrap, PWA.
- Backend:** C#, .NET (Core & Framework), ASP.NET, Node.js, Express.js, RESTful API Design.
- Database & ORMs:** MS SQL Server, PostgreSQL, Oracle, CouchDB, Entity Framework, NHibernate, Prisma.
- DevOps & Cloud:** Docker, Kubernetes, Azure DevOps, Git, CI/CD Pipelines, Rancher, Elasticsearch.
- Industrial Systems:** PLC Integration (Siemens/Beckhoff), OPC-UA, MQTT.
- Testing:** MSTest, xUnit, Test-Driven Development.
- Methodologies:** Agile Development, Cross-functional Team Collaboration, International Project Coordination.

## WORK EXPERIENCE

### Continental Engineering Services Portugal - Porto, Portugal

**XPCCoM** - Full lifecycle Control of an Industrial ECU Management System

Dec '24 - Present

- Developed .NET Core middleware for automated ECU programming.
- Built Azure DevOps CI/CD pipelines for zero-touch firmware deployment.
- Deployed on production lines with PLC integration.

Tech Stack: .NET Core, Entity Framework, CouchDB, MSTest, Docker, Rancher, Elastic Search, Azure DevOps.

**Timekeeping API** - Workforce Time Tracking and Compliance System

Mar '23 - Nov '23

- Developed a RESTful API for time tracking (work/rest/breaks), ensuring compliance with labor regulations.

Tech Stack: .NET Core, Entity Framework, Oracle, xUnit.

**PLCA** - A customer-to-invoice project management system

Feb '23 - Dec '24

- Led feature implementation, bug fixes, and 1st-line support for a critical business tool for tracking estimation, quoting, quality processes, and invoicing.
- Improved delivery reliability by optimizing remote team workflows and refining development best practices.

Tech Stack: .NET Framework, ASP.NET, Bootstrap, NHibernate, Oracle.

**CGMS** - Continental's proprietary manufacturing execution system solution

Aug '21 - Feb '23

- Designed machine-level middleware for real-time production monitoring, deployed across 120+ production lines in 5+ countries (Germany, USA, South Africa, Slovakia, Czech Republic).
- Ported PLC machine logic to .NET, enabling scalable, off-PLC execution.

Tech Stack: C#, MSServer, Siemens/Beckhoff PLCs, OPC-UA, MQTT.

### Freelance Web Developer - Felgueiras, Portugal

**IMVE** - Diet & Training App

Mar '24 - Present

- Designed and developed a web app for managing personalized nutrition and workout plans.
- Users can receive and track fitness programs created by professionals, through a responsive interface and send evaluations to the professionals.

Tech Stack: React, Node.js, ExpressJS, Tailwind CSS, Prisma ORM, PWA.

## EDUCATION

### Master's Degree in Industrial Automation Engineering

Sep '18 - Feb '20

Universidade de Aveiro

### BASc in Electrotechnical Engineering

Sep '14 - Feb '18

ESTGA - Universidade de Aveiro