

# Pedro Ferreira

pedrojferreira.com

*Software Engineer and Educator with 12 years of experience*

hello@pedrojferreira.com

## CAREER SUMMARY

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Full-Stack Software Engineer and Educator with 12 years of experience in backend development, cloud-native architectures, and Microsoft technologies. Specialized in .NET, SQL Server, and Azure, with extensive experience designing scalable solutions, supporting production systems, and applying DevOps, CI/CD, and Agile principles. Passionate about clean architectures, high-quality engineering, and sharing knowledge through teaching.

## TECH STACK HIGHLIGHTS

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- **Programming:** .NET (C#), ASP.NET MVC/Web API
- **Frontend:** Bootstrap, jQuery, familiarity with Vue.js concepts
- **Cloud:** Microsoft Azure (Azure DevOps, Azure Storage, Azure Service Bus, Application Insights)
- **DevOps & Monitoring:** Git, Docker, Azure DevOps Pipelines, CI/CD, Application Insights
- **Databases:** SQL Server, PostgreSQL, Oracle
- **Testing:** NUnit, NSubstitute, integration testing
- **Tools:** Visual Studio, VSCode, JetBrains Rider, Postman, Swagger, SourceTree

## EXPERIENCE

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- **zkipster AG** Remote — Zurich, Switzerland  
*June 2023 – Present*
  - **Senior Backend Engineer:** Developing high-availability backend services for a global event SaaS platform using .NET MVC, C#, SQL Server, PostgreSQL, and REST APIs. Built scalable microservices and asynchronous integrations designed for peak-load event workflows, improved system resilience and performance, and modernized API architecture. Used CI/CD pipelines, advanced telemetry with Azure Application Insights, and contributed to cloud-ready architectural improvements aligned with Agile best practices.
- **Escola Profissional do Montijo** Montijo, Portugal  
*Feb 2025 – Present*
  - **Teacher:** Teaching computer science subjects with a specialization in computer networks and operating systems programming. Responsible for curriculum design and delivery, hands-on laboratory sessions, practical exercises, and mentoring students as they prepare for technical and industry-oriented careers.
- **NTT DATA Portugal** Lisbon, Portugal  
*Nov 2016 – May 2023*
  - **Team Leader/Developer — Hiscox France:** Led the development of a Microsoft Outlook 365 add-in integrated with Azure APIM and Azure Active Directory.
  - **Team Leader/Developer — ehCOS EHR:** Designed and developed a modular EHR platform using Java Spring, defining data architecture and core clinical workflows.
  - **Team Leader/Developer — ehCOS MPI:** Implemented a centralized patient identity solution using HL7 standards, REST/SOAP services, and Oracle SQL.
  - **Team Leader/Developer — CCI – Inpatient Customer Circuit:** Designed a PostgreSQL-based system for patient admission, discharge, billing, and workflow automation.
  - **Developer — SSTAT:** Developed a Work Accident Management platform using JSF/PrimeFaces.
  - **Developer — IAPMEI:** Developed an industrial licensing portal using ASP.NET MVC, SQL Server, JQuery, Bootstrap, and Azure services.
  - **Developer — SOSHST:** Contributed to a healthcare management system using JSF.
  - **Developer — eSPap:** Maintained and enhanced public sector portals using .NET, SQL Server, and SharePoint 2016.
- **Accenture Portugal** Lisbon, Portugal  
*Jul 2013 – Oct 2016*
  - **Developer — ANSR:** Developed Java-based systems for administrative infraction management and public-facing portals.
  - **Developer — Social Security I.P.:** Built Spring-based applications to automate operational workflows and backend tasks.
  - **Developer — Tax Authority:** Enhanced and maintained Java-based tax systems with a focus on stability and performance.

## EDUCATION

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- **Instituto Politécnico de Leiria** Leiria, Portugal  
Master's Degree in Computer Science — Mobile Computing (17/20) Sep 2012 – May 2015
- **Instituto Politécnico de Leiria** Leiria, Portugal  
Bachelor's Degree in Computer Science — ICT (13/20) Sep 2008 – Jul 2012

## CERTIFICATIONS

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- Microsoft Azure Data Fundamentals (DP-900), 2023
- Microsoft Azure Fundamentals (AZ-900), 2022
- Google Cloud Associate Cloud Engineer, 2022
- Data Engineering & Machine Learning on GCP (Coursera), 2022
- Big Data Specialization (UC San Diego), 2021
- Professional Scrum Master I, 2019
- Six Sigma Yellow Belt, 2020
- Liferay DXP 7.0 Certified, 2018
- Cisco CCNA (Routing, Switching, Security), 2011

## LANGUAGES

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- Portuguese (Native)
- English (Professional Proficiency)
- Spanish (Professional Proficiency)