

Pedro Ferreira

Backend Engineer · 12+ years of experience

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Lisbon, Portugal

CAREER SUMMARY

Backend Software Engineer with 12+ years of experience building scalable APIs, event-driven systems, and cloud-native architectures. Specialized in .NET/C# and Azure, with a strong track record across SaaS, healthcare, and public sector domains. Experienced in delivering production-critical systems using Agile practices. Passionate about clean architecture, high-quality engineering, and knowledge sharing.

TECH STACK

- **Languages & Frameworks:** C#, .NET, ASP.NET Core/Web API, Entity Framework Core, Dapper
- **APIs & Integrations:** REST APIs, Webhooks, OpenAPI/Swagger, Kafka
- **Cloud & Infrastructure:** Microsoft Azure, Azure Kubernetes Service (AKS), Docker, Kubernetes, Terraform
- **DevOps & CI/CD:** Git, GitHub Actions, Argo CD
- **Databases:** SQL Server, PostgreSQL
- **Testing:** NUnit, NSubstitute, Integration Testing

EXPERIENCE

- **STARK Group** Aahrus, Denmark
Integration Engineer April 2026 – Present
 - Designing and developing integration services using C# and .NET, deployed as containerized workloads on Azure Kubernetes Service (AKS).
 - Owning end-to-end integration delivery, from solution design and Azure infrastructure provisioning with Terraform to CI/CD automation using GitHub Actions and Argo CD.
 - Building and deploying integrations across multiple country business units, adapting solutions to local business requirements while ensuring scalability, reliability, and maintainability.

C# .NET Azure Terraform Docker Kubernetes Argo CD GitHub Actions Kafka REST APIs
- **zkipster AG** Zurich, Switzerland
Backend Engineer June 2023 – March 2026
 - Developing high-availability backend services for a global event SaaS platform using C#, .NET, and Azure.
 - Designed scalable REST APIs, webhook-based integrations, and event-driven workflows using Azure Service Bus to support high-traffic event operations.

C# .NET Azure Azure Service Bus PostgreSQL SQL Server REST APIs Docker
- **Escola Profissional do Montijo** Montijo, Portugal
Teacher (Part-time) Jan 2025 – Dec 2025
 - Taught computer science subjects with a focus on programming, computer networks, and operating systems.
 - Designed and delivered curriculum, led hands-on laboratory sessions, and mentored students preparing for technical careers.
- **NTT DATA Portugal** Lisbon, Portugal
Team Lead / Full Stack Engineer Nov 2016 – May 2023
 - **Backend Engineer — International Insurer (Nov 2022 – May 2023):** Developed and maintained an Outlook Add-in for an international insurance company, integrating Azure AD, Azure Functions, and Azure APIM. Collaborated directly with the French business team to refine requirements.
 - **Full Stack Engineer / Team Lead — Private Healthcare – EHR (Mar 2020 – Oct 2022):** Led development of core modules for a new Electronic Health Record platform. Delivered pharmacy and nursing workflows, implemented integrations with national systems (Infarmed, SPMS), and maintained code quality across an international team (Mexico, Spain, Chile).

C# .NET Azure Functions Azure AD REST APIs Java Spring Hibernate PostgreSQL Docker Azure HL7 REST APIs

- **Integration Engineer — Private Healthcare – MPI (Nov 2019 – Oct 2020):** Built a healthcare interoperability platform centralizing patient identity across multiple units. Implemented HL7 v2 and FHIR-based integrations using REST/SOAP services and patient identity algorithms on Oracle SQL.

Java Oracle SQL HL7 FHIR REST APIs SOAP

- **Full Stack Engineer — Private Healthcare – Patient Workflow (Feb 2019 – Feb 2020):** Designed the architecture and data model for a surgical patient lifecycle platform covering admission to discharge, clinical monitoring, and financial billing integrations.

Java Spring Hibernate PostgreSQL JSF/PrimeFaces REST APIs

- **Full Stack Engineer — Private Healthcare – Workplace Accidents (Nov 2018 – Jan 2019):** Web-based system for workplace accident alert management; implemented backend services and UIs for incident reporting and monitoring.

Java Spring Hibernate PostgreSQL JSF/PrimeFaces

- **Full Stack Engineer — Public Administration – Industrial Licensing (Apr 2018 – Nov 2018):** Designed the data model and built a web portal for managing industrial licensing applications, including data migration pipelines.

C# ASP.NET MVC SQL Server Entity Framework Azure

- **Full Stack Engineer — Private Healthcare – Clinics & Labs Portal (Feb 2018 – Apr 2018):** Contributed to a multi-portal platform for clinic and laboratory workflow management; built backend services and web interfaces.

Java Spring Hibernate PostgreSQL JSF/PrimeFaces

- **Full Stack Engineer — Public Administration – Enterprise Portals (Nov 2016 – Jan 2018):** Maintained and enhanced Suppliers Portal, HR, and Financial Resources platforms for a public sector entity.

C# ASP.NET SharePoint SQL Server

• Accenture Portugal

Lisbon, Portugal

Full Stack Engineer

Jul 2013 – Oct 2016

- **Full Stack Engineer — Public Administration – Road Safety (Jan 2016 – Nov 2016):** Web platform for administrative offence records; backend services, scheduled jobs, and government system integrations.

Java Spring JSF/PrimeFaces SQL Server

- **Full Stack Engineer — Public Administration – Citizens Portal (Nov 2014 – Dec 2015):** Public portal for citizens to view infractions and manage payments; backend services and web components in a Microsoft enterprise environment.

C# ASP.NET SharePoint SQL Server

- **Full Stack Engineer — Social Security I.P. (Jul 2014 – Nov 2014):** Automated operational tasks for Social Security staff; designed data models and backend services.

Java JPA JSF/PrimeFaces Oracle SQL

- **Full Stack Engineer — Tax Authority (Jul 2013 – Jul 2014):** Implemented features and maintained enterprise tax applications, improving reliability and resolving issues.

Java Spring JSP Oracle SQL

EDUCATION

• Instituto Politécnico de Leiria – School of Technology and Management

Leiria, Portugal

Master's Degree in Computer Engineering – Mobile Computing (17/20)

Sep 2012 – May 2015

• Instituto Politécnico de Leiria – School of Technology and Management

Leiria, Portugal

Bachelor's Degree in Computer Engineering – ICT (13/20)

Sep 2008 – Jul 2012

CERTIFICATIONS

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

LANGUAGES

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