Fernando Antonio Simões Tona

Software Developer | C#/.NET | Azure | Problem solver with a musician's discipline

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Tech Skills

Languages, Frameworks & Databases: C#/.NET, SQL, C++, JavaScript/TypeScript/React, SQL Server, PostgreSQL

CI/CD & Cloud: Azure, Azure DevOps, Git, GitHub, GitHub Actions, TFS

Testing and Quality tools: MSTest, xUnit, NUnit, CppUnit, Jest, SonarQube, Mend

IDEs & Tools: Visual Studio, VS Code, Postman, SSMS, pgAdmin

Practices: SOLID principles, Clean Code, Unit & Integration Testing, Agile/Scrum

Also familiar with: Cosmos DB, Oracle DB, Docker, Dapper, TeamCity, SpecFlow/Reqnroll, JMeter, JetBrains Rider

Work Experience

Unit4 | Associate Engineer | Portugal (Remote) | Mar 2023 – Present

Shipped features in C#/.NET, React/TypeScript, and C++ across Windows and Azure-hosted ERP modules. Designed REST APIs, expanded automated test suites, and optimized SQL Server/PostgreSQL integrations.

- Contributed to the core product, localization modules, and integration projects including Payroll Navigator and a microservice integrating with the UK HMRC tax system.
- Addressed critical findings from SonarQube and Mend to strengthen the security posture.

Unit4 | Graduate Engineer (Internship) | Portugal (Remote) | Nov 2022 – Feb 2023

Built a full-stack web application during my internship at the Unit4 Academy. Strengthened technical foundations and collaboration skills in a fast-paced, team-oriented setting.

Conservatório de Música da Bairrada | Teacher of Classical Guitar | Oliveira do Bairro | Sep 2010 – Aug 2025

Taught classical guitar and chamber music at a Portuguese conservatory. Led individual & ensemble instruction and arranged music. Developed strong communication, mentorship, and planning skills.

Education

Universidade Aberta: Bachelor's in Computer Science | *Sep 2024 – Present (Expected 2028)*

Code for All: Full Stack Software Developer (on-site bootcamp) | *May 2022 – Aug 2022*

Universidade de Aveiro: Master's in Music Education (Classical Guitar and Chamber Music) | *2013 – 2016*

Universidade de Aveiro: Bachelor's in Music (Classical Guitar) | *2008 – 2013*

Certifications & Courses

Azure Fundamentals (AZ-900) | Microsoft | Scheduled Nov 2025

User Interfaces for the Web with React | Universidade de Aveiro (Microcredential) | In Progress

The Complete Full-Stack Web Development Bootcamp | Udemy | In Progress

From Zero To Hero – REST APIs in .NET | Dometrain | 2025-06-29

Continuous Learning Portfolio: Check all my other completed courses and obtained certificates from several learning platforms such as LinkedIn Learning, Codecademy, Microsoft, Dometrain and Udemy

Languages

English: Full professional | **French**: Elementary | **Portuguese**: Native (European) | **Spanish**: Native (LATAM)

Featured Portfolio Projects

Music Albums API: Music Albums REST API written in C#/.NET, with Dapper and PostgreSQL.

fernandotonacoder.github.io: Static website hosted on GitHub Pages written in vanilla JavaScript, HTML, CSS, and Bootstrap.

Additional Information

Citizenship: Portuguese (EU)   **Location**: Based near Aveiro, Portugal. Open to relocation to another country.