



João Miguel Guimarães Fidalgo Roque

Principal Software Developer @CriticalManufacturing

I am a software engineer at Critical Manufacturing. I love to learn new technologies and to understand and design complex systems.

My main focuses are creating and implementing solutions for complex requirements and to spread knowledge and best practices throughout our organization.

| PROFESSIONAL EXPERIENCE|

>> @Critical Manufacturing

Technology Stack: C#, .NET, Node, Angular, Typescript, SQL Server



Principal Software Engineer @Dev Advocate @Product Team

September 2023 – Now

Goal: Lead R&D efforts and best practices evangelization for the Connect IoT Application. Reorganize the development process and team for Connect IoT.

Highlights:

- Launch of a Developer's Blog
- Launch a Library for technical Tech books
- Build a Test Framework for Integration and E2E testing
- Lead Requirement definition and Implement key architectural changes

>> @LetsGetChecked

Technology Stack: F#, C#, .NET, Elasticsearch, Kafka, AWS



Software Engineer @Engineering Team

2022 – September 2023

Goal: Member of the Backend team, developing an F# application responsible for the back office of medical consultations and appointments

>> @Critical Manufacturing

Technology Stack: C#, .NET, Node, Angular, Typescript, SQL Server



Senior Software Engineer @ DevOps @Engineering Team

2021 – June 2022

Goal: Lead implementation projects for an MES IoT solution. Understand customer requirements, create backlog and implement complex solutions. Create a consistent development structure for the project implementation teams and continuously improve the way we work

Highlights:

- Lead Implementation design and architecture
- Lead team of software engineers
- Define template and generic approaches for projects
- Discuss with the client the solution design
- Define deployment strategies
- Code reviewer and guarantor of code standards
- Contributor in architecture design for implementing devops on project implementation

Software Engineer @ DevOps @Engineering Team

2019 – 2020

Junior Software Engineer

2018 – 2019

>> @Indra

Technology Stack: Java, JSF (Primefaces), HTML5, SQL Server



Junior Software Engineer

2021 – June 2022

Goal: Build and migrate an ERP application.

Highlights:

- Working on it from scratch
- Participation on Architecture and design

| EDUCATION and TRAINING|

Master in Electrical and Computers Engineering

Faculdade de Engenharia da Universidade do Porto
2012 – 2017

Major: Automation; Specialization: Industrial Management

Thesis on: "Estimating wind turbine generators failures using machine learning"

Erasmus

UNIP – Università di Pisa

September 2015 – March 2016



| PERSONAL DATA|

📍 Porto, Portugal

📅 26/06/1994

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🌐 <https://j-roque.com>

| TECH SKILLS|

F# | C# | Angular | Node | Typescript | Javascript | SQL | Elasticsearch | AWS

| CHARACTERISTICS|

Curious | Eager to learn | Rational
| Efficient | Communicative |
Adaptable | Dependable |
Persuasive | Proactive | Honest

| LANGUAGES |

Portuguese ██████████

English ██████████

Italian ██████████

| INTERESTS |

Books | Movies | Travelling |
Music | Video-games | Meeting
new places and new people