

# Alberto Roque Carrizo Fernández

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## Introduction

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I am a seasoned software engineer with a pragmatic problem-solving mindset, constantly looking for ways to simplify complexity. Possessing a strong sense of independence and a knack for self-directed learning, I am actively seeking opportunities to tackle new challenges that bring tangible value to both clients and society.

## Experience

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2018-2022 | **Senior Backend Engineer** at NEOCLES (.NET, C#, SQL, ES, Azure)

- Designed and built high-performance APIs for core e-commerce functions, handling concurrent users in the thousands.
- Managed releases and maintenance for 5 segregated client production environments.
- Worked directly with clients conducting fit-gap analyses to integrate new services.
- Developed backend services receiving 10M + of import messages daily from external systems.
- Led upgrade and configuration of 30+ Elasticsearch servers housing hundreds of millions of documents saving thousands of euros monthly.

2017-2018 | **Fullstack Developer** at INVESTEL (AngularJS, C#, SQL)

- Led development of an AngularJS management application for internal use.
- Worked with designer on implementation of new frontend for existing application as an SPA using Angular.
- Transitioned to fullstack developer for new features and bug fixes on backend too.
- Implemented and documented OAuth service for external client authentication.

2015-2016 | **Internship** at EDP (ASP.NET Web Forms, C#)

- Implemented new Excel export functionality on existing ASP.NET Web Forms app.
- Started efforts to make the application responsive for mobile devices.

2015 | **Practices** at TUINSA NORTE (Unity3D, C#, MySQL)

- Designed and implemented a MySQL database based on business requirements provided.
- Developed Android application with Unity3D to visualize user uploaded 3D product models.

## Projects

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2023 | **Portfolio Website** with markdown based content powered by Jekyll and hosted with GitHub Pages. Styling and structure manually developed with vanilla CSS. <https://roquec.com/>

2022-2023 | **Vessel Navigation** Windows desktop application implemented with WinUI 3. Leverages incoming data from AIS devices to display navigation information and manoeuvre recommendations.

2017 | **AR Puzzle** Android game implemented using Unity that breaks the incoming camera image into puzzle pieces that must be found using the camera to piece the live image back together.

2016 | **Rock Slide** Game for Android devices developed with Unity3D and integrated with Google Play Services. All the graphics were designed with Paint.net.

## Education

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2011-2016 | **Bachelor's degree, Computer Software Engineering** from University of Oviedo.

## Merits

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2019 | **Microsoft Exam AZ-400** Designing and Implementing Microsoft DevOps Solutions.

<https://learn.microsoft.com/en-us/credentials/certifications/exams/az-400/>

2014 | **Neo4j Graph Gist Winter Challenge** (Graph database design contest), 1º place in the category of “life science”. <http://neo4j.com/blog/graph-gist-winter-challenge-winners/>

## Languages

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English | **Advanced level (C2)**. IELTS with a 7.5 grade, April 30, 2010.

Spanish | **Native**.