

Alberto Alonso Ruibal

Senior Telecommunication Engineer, experienced developer

EXPERIENCE

Netcentric — *Senior back end developer*, Adobe Certified Master - Adobe Experience Manager Sites Architect

2019 - Present

Developing solutions based on Adobe Experience Manager for leading companies in the automotive, chemical and consumer goods sectors.

Quobis — *Front end developer*

2017 - 2019

Working in the development of WebRTC applications with Javascript, Typescript, Angular and Cordova:

- **Quobis webphone:** Migrating this AngularJs 1.6 web and hybrid app (with cordova) to Angular 8 developing a semi-automated code migration process. I implemented many new features and optimizations, a build variant system to adapt it to different customers, a 3D model visualization system based on three.js, cordova plugins for iOS and android, etc. I also automated builds and releases with Jenkins.
- **IE WoW Room application:** I fixed bugs and implemented new features over the existing Javascript application working with the OpenTok API.

Mobialia — *Founder, full stack android & web developer*

2010 - 2017

Designing and developing applications and games with millions of users:

- **Mobialia Chess:** Based on my Carballo Chess Engine, I created this android chess app. Later, with the GWT android Emu library, I developed a web version available at <https://chess.mobialia.com>. This app includes an online game database service with millions of games and positions updated weekly with scraping techniques (a REST API implemented with Jersey and a highly optimized MySQL).
- **12chess.com:** Using the Mobialia Chess game database data, I designed an algorithm for chess tactics recognition in chess games, as a result, <https://12chess.com> allows you to solve thousands of original chess tactics. It includes a bot that tweets as @onetwochess and posts to facebook a different tactic every hour.
- **Four in a Row:** An android app similar to chess, but using a simpler engine, and also with a web version: <https://fourinarow.mobialia.com>
- **Gas Stations Spain:** This android app allows users to save money going to the cheapest gas station, with a material interface and maps, lists by price or distance and lots of features like route planning, discounts, etc. I developed a PHP service to scrape the government page with fuel prices and to expose this data to the app via a REST API with techniques like in-memory processing to optimize response times.
- **Slot Racing:** With the JMini3d library I created this android game based on



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SKILLS

Mobile & web development

Systems management

Backend & database admin

Open source

Game theory

Artificial Intelligence

3D engines

UX design

ERP implementation

AWARDS

Winner of BCN Google Devfest app competition in 2011 with Mobialia Chess

LANGUAGES

English (full professional proficiency)

Spanish

Galician

slot circuits generated using procedural graphics. Its features include bluetooth multiplayer, a circuit editor and an online user circuit database.

- **Track my Followers:** This app uses the Twitter API to track your followers and detect when somebody stops following you. It includes other features like followers graphs, friends lists, follow/unfollow buttons, etc.

Ingeniería de Prefabricados S.L. — ERP developer

2007 - 2011

Working in the implementation of Oracle's JD Edwards EnterpriseOne:

- Developing integrations with the company's intranet in PHP.
- Designing custom financial reports and making parametrizations for the company's CFO. We developed reports consolidating spanish and portuguese accounting data.
- Managing the systems running the ERP.

Aula Estudio Formación Práctica S.L — Teacher

2007

Teaching the basics of business organization and project management in a FIP plan course.

Shylex Telecomunicaciones S.L. — Project manager, J2EE developer, IT manager

2002 - 2007

Working in projects for telecommunication companies like R & Tele2/Comunitel and in the Shylex Networks hosting service:

- **Fenix:** I designed this J2EE application for Tele2 to enter customers' contract data via HTML forms and dump this data to the company's CRM and ERP. The forms and where to dump this data were defined in an XML document saving thousands of development hours over the previous PHP application.
- **J2EE control panels** for Shylex Networks and their integration with the hosting services (http, email...) via LDAP.
- **J2EE webmail** for R developing a JavaMail driver to interact with Ericsson's P90 allowing users to access their voicemail messages.

Ayco Internet S.L. — ASP & PHP developer

1999 - 2002

Developing online shops and marketplaces in an internship:

- **World Fish Site:** With an online auctions service using digital certificates and signatures developed in ASP.
- **Arion Diamonds:** An online shop for diamonds developed in PHP.

EDUCATION

Escuela Técnica Superior de Ingenieros de Telecomunicaciones Vigo — Ingeniería de Telecomunicaciones

1997 - 2003

MSc in Telecommunications Engineering

COMMUNITY

Former GDG Vigo organizer

Former Startup Weekend organizer

Speaker in technical events

NON-TECH COMMUNITY

Former monitor of chess and guitar in the AECC

Helping with the web and events organization at Xadrez Ramiro Sabell

OPEN SOURCE PROJECTS

Carballo Chess Engine

A strong Java chess engine.

This engine is the result of years of work and automated testing for algorithm and performance tuning.
github.com/albertoruibal/carballo

JMini3d

OpenGL engine for android and GWT. Optimized to allow sustained 60 fps in games.

github.com/mobialia/jmini3d

GWT android Emu

A library emulating android APIs over GWT. This library helped porting android apps to the web.

github.com/mobialia/gwt-android-emu

SOCIAL NETWORKS

I'm *albertoruibal* in:

