



ABOUT ME

My current position as a PROFESSOR OF FRONTEND: React, Javascript, CSS, Tailwind, SASS, ... and also a PROFESSOR OF BACKEND: GraphQL, PostgreSQL, MongoDB, MySQL8 with Node/Python and I also teach Data Structures and Algorithms at College of Software.

And also I am now working as a Freelance in FullStack Developments.

EDUCATION

• DEGREE IN COMPUTER SCIENCE in the field of Physical Computer Systems at Valencia Polytechnic University - 1997

• COMPUTER ENGINEERING DEGREE at the Valencia Polytechnic University (Spain). The fourth and fifth courses, done in an academic year - 2007

• Undergraduate in MSC in COMPUTER ENGINEERING at the University Department DISCA (Valencia Polytechnic University) -2007/8

• Undergraduate in TELECOMMUNICATION ENGINEERING at the Valencia Polytechnic University (Spain), 1st and 2nd course. Electronic Systems 2007/8

• PYTHON ADVANCED LEVEL at the University of La Rioja - 2022

• MASTER IN FULL STACK DEVELOPER at the university of La Rioja - 2023

• Frontend: Next, React (Classes and FC, Redux, React Query, React Table, Sockets), Angular, Javascript Vanilla, Typescript, MUIv5, Styled Components, Tailwind, Shadchan, CSS, SASS, Bootstrap, Bulma.

• Backend: MongoDB, Nodejs, Express ,MySQL, PostgreSQL

• Mobile: React Native

• UNIVERSITY EXPERT COURSE IN DEVOPS & CLOUDS at University of La Rioja - 2023

• Jenkins • Jest • Puppeteer• Selenium • Cucumber • Gherkin • Terraform • Podman • Docker • Kubernetes • Prometheus- Grafana• ELK • Kafka • Jupyter • Artifactory • Nexus • Pros-Contras • Access Management

• MASTER IN SOFTWARE ENGINEERING AND SECURITY SYSTEMS at University of La Rioja - 2024

• Web development: Javascript, React, React Native, NodeJS , PHP(and Laravel), HTML 5, CSS, JQuery, Spring J Java, Ajax, VSCode, GitHub, Bootstrap, XML, JSON, WSDL, SOA o SOAP. • Development in .NET, Java in environments: Netbeans, Eclipse, Visual Studio. • Mobile application development: Android Studio,... • Agile techniques: Scrum, XP, Kanban o Lean • Cloud Development: Google cloud computing, Microsoft Azure, Amazon Web Services. • Databases: SQL, MariaDB. • Direction and project management: Sinnaps, MS Project. • Security management and auditing : OWASP ZAP, eMarisma, Paros, Badstore, NMAP,ModSecurity, Magerit, Fortify SCA, Microsoft Threat Modeling Tool, HP Webspect, Scuba,Soap, TORproject or tools OSINT.

LINKS

My personal webpage - under construction:
<https://rob-myweb.vercel.app/>

Leetcode:
<https://leetcode.com/u/RobertoAlonso/>

Github:
<https://github.com/web-roberta>

LinkedIn:
<https://www.linkedin.com/in/roberto-alonso-perez>

Freelance at Malt:
<https://www.malt.es/profile/robertoalonso3>

LANGUAGES



PERSONAL DETAILS

Nationality
Spanish

ROBERTO ALONSO

SENIOR REACT & TYPESCRIPT FRONTEND DEVELOPER & NODE WITH MONGODB / SQL BACKEND DEVELOPER

Calle Real de Gandia nº5, 9-B, Gandia, 46702, España

+34 670 92 22 55

roberto.alonso.javascript@gmail.com

WORK EXPERIENCE

PAUET, SL
Real De Gandia
Nov 1993 - Feb 1995

ANALISIS Y PROYECTOS S.A.
Mar 1995 - Jul 1995

CONSULTING INFORMATICO S.A.
Oct 1995 - Feb 1996

S.B.S. AITANA, S.L. (IBM COMPANY)
Feb 1996 - Dec 1996

DECOM VALENCIA
Jun 1997 - Aug 1997

GENERALITAT CATALUNYA
Sep 2006 - Aug 2007

VALENCIA POLYTECHNIC UNIVERSITY
Sep 2006 - Aug 2007

VALENCIA POLYTECHNIC UNIVERSITY
Sep 2007 - Jan 2008

VALENCIA POLYTECHNIC UNIVERSITY
Sep 2009 - Feb 2010

COLLEGE OF SOFTWARE
Aug 2005 - Jul 2013

COLLEGE OF SOFTWARE
Jun 2006 - Jun 2010

AUTONOMO VALENCIA
Sep 2011 - Dec 2011

COLLEGE OF SOFTWARE
Aug 2013 - Present

MAHICO SOLUCIONES,SL
Jan 2012 - Aug 2021

FUNDACION EDUCATIVA FRANCISCANAS
Aug 2021 - Jul 2022

OMSUNTECH, SL
Aug 2022 - Present

ZATACA SYSTEMS
Nov 2022 - Jan 2023

Software Developer

Development of a comprehensive business management application

Development of a Software to manage de firm.

Development of a Software to manage de shops.

Development of a series of tools to migrate from open systems to IBM AS400.

Development of a Software to manage de company accounting.

PROFESSOR IN A COLLEGE OF SOFTWARE in Catalonia. Subjects taught: Javascript, CSS, MySQL

PROFESSOR of Computer Languages and Systems at Department of Computerized Systems and Information Technology. (DISIC).

PROFESSOR of training of Software in the Department of Computing Engineering. (DISCA).

PROFESSOR of training of Software in the Department of Computing Engineering. (DISCA).

PROFESSOR of Web Technologies at Tavernes in Valencian Community. Subjects taught: Javascript, CSS, PostgreSQL, MySQL...

DIRECTOR at the College "Jaume II El Just" at Tavernes un Valencian Community. With 130 teachers under my responsibility.

Develoment of Software to manage warehouses.

PROFESSOR at the College of Software "Maria Enriquez" at Gandia in Valencian Community and internship adviser in companies. Subjects taught: Javascript, React, CSS, Node, PostgreSQL, MySQL.

FULLSTACK DEVELOPER as a Freelance
Web Developments for Mahico Soluciones are the following:

- A Full e-commerce with NextjsTechnologies used: Next.js, React, Hooks, Strapi, Stripe, AWS, SASS, Formik, Yup, good practices and more
- CRM for sellers with their clients and their salesTechnologies used: Next.js with SSR, GraphQL, MongoDB, Tailwind
- MERN CalendarAppTechnologies used: MERN CalendarApp with MongoDB, Express, React and NodeAn interesting Calendar application to record my events...

FULLSTACK DEVELOPER

- A Full application for manage the fundation with NextjsTechnologies used: Next.js, React, Hooks, Strapi, Stripe, AWS, SASS, Formik, Yup, good practices and more

FULLSTACK DEVELOPER as a Freelance
Web Developments for Omsuntech are the following:

- App Travel (Couch Surfing). Technologies used: Project using Reactjs, MUI5, NodeJS, Express, Mongodb, Mongoose, MapBox, Google One Top login, JWT authenticationThis MERN project is similar to couch surfing where the user can offer his service to host other people or travelers even for free or for a small amount.Offered rooms appear on the map or as normal cards on the page with more details and images slider.Users can filter the rooms by the city or by the cost...
- Clone of Amazon with NEXT & MERN. Technologies used: NEXTjs, MATERIAL UIS, NODEjs MONGODB
- Clone of Amazon with REACT & MERN. Technologies used: Fullstack MERN (Mongodb, Express, React and Node)
- Instagram with React, GraphQL, Apollo, MongoDB and AWS. Technologies used: React, GraphQL, Apollo Server, Apollo Client, MongoDB, Amazon AWS S3, and Formik

My Node Developments for Omsuntech are the following:

- CalendarApp: Technologies used: MERN MongoDB, Express, React and Node
- Rest API: Technologies used: Node,Express and Mongodb
- REST API: Technologies used: Node, Typescript and MySQL(sequelize)
- Chat with Sockets in Node... and
- Tickets Queue made with Node

My Mobile Developments (React Native:Android & iOS) for Omsuntech are the following:

- Instagram clone (React Native). Technologies used: Fullstack with React Native and Typescript and AWS Services like Cognito, Lambda with Node js, DynamoDB, AppSync with GraphQL, Amplify and fully automated Continuous Integration and Continuous Delivery/Continuous DeploymentIt is a real time clone of Instagram with the same functionality: recording from camera and attach photos and videos to my posts, click likes, write comments, notifications...
- Mobile App for restaurants (React Native). Technologies used: Fullstack with React Native and FirebaseYou can make orders on your mobile phone in real time, you pay it and the Admin processes the order and tells your the remaining time..
- Mobile App: Project Manager (Clone of BaseCamp). Technologies used: Fullstack React Native, Apollo Server, GraphQL and MongoDBA Project Manager app to manage your projects using your mobile phone (Android & iPhone)...
- E-commerce app for Android & iOS with EXPO. Technologies used: React Native using Stripe for payments (Native for Android & iOS)It is an app for e-commerce made with Expo...
- Tripadvisor for Restaurants. Mobile App Native. Technologies used: React Native and Expo, Firebase & Firestore, Geolocation with Apple Maps and Google Maps (Native for Android & iOS)It is a Tripadvisor application but for Restaurants...
- Chat App for Android & iOS. Technologies used: React Native in Real Time (Native for Android & iOS)A typical chat for mobile phones...

FULLSTACK DEVELOPER as a Freelance
My Real Time (with 'socket.io' and React) Developments for ZATACA are the following:

- Song Contest. Real-time voting in song contest React,'socket.io' and Node without Database...
- Real Time Tickets App. An office worker enters using a new tab and attends to the users of a single queue...
- Real Time MapApp. Client: React + sockets.io, Server: node w/o DataBaseEvery client marks its position and it is shared to all the clients, so all the clients can watch in the map the position of all the clients in real time...

SKILLS



HOBBIES

COMMUNITY WORKS: TEACHING SPANISH AND USING RUSSIAN LANGUAGE FOR FREE AT RED CROSS FOR UKRAINIAN REFUGEES. AMATEUR RUNNING RACES. LANGUAGE LEARNING. TRADITIONAL VALENCIAN CUISINE LIKE PAELLA AND LISTENING TO MUSIC

COURSES

LEETCODE
Nov 2024 - Nov 2024

NOTJUSTDEV PLATFORM
Jan 2023 - Aug 2023

GEEKSFORGEEKS
Jan 2023 - Aug 2023

ZERO TO MASTERY ACADEMY
Jan 2024 - Nov 2024

COURSES OF DATA STRUCTURES AND ALGORITHMS :

- Dynamic Programming • Arrays 101 • Graph • Heap • Recursion I • Recursion II • SQL Language • Bit Manipulation • Sorting • Linked List • Binary Tree • System Design • Binary Search • N-ary Tree • Binary Search Tree • Trie • Hash Table • N-ary Tree and String • Queue • Stack • Deletion Tree • and also System Design for Interview and Beyond.

REACT NATIVE COUSE

COURSE OF DATA STRUCTURES AND ALGORITHMS

I learned the following courses : • Complete Web Developer • The Complete Junior to Senior Web Developer Roadmap • Complete React Developer in 2024 (w/ Redux, Hooks, GraphQL) • The CSS Bootcamp: Zero to Mastery • JavaScript: The Advanced Concepts • Complete Nodejs Developer in 2024 • Complete SQL + Databases Bootcamp • JavaScript Web Projects: 20 Projects • Complete Nextjs Developer • Master the Pathfinding Algorithms with JavaScript and React •Java Programming Bootcamp • Master the Coding Interview: System Design + Architecture • Master the Coding Interview: Data Structures + Algorithms •Typescript Bootcamp • Complete React Native Developer in 2025 • Master the Coding Interview: Big Tech (FAANG) Interviews • Complete Cybersecurity Bootcamp • AWS Certified Cloud Practitioner: Zero to Mastery • AWS Certified Solutions Architect: Zero to Master

EXTRA-CURRICULAR ACTIVITIES

RED CROSS
Gandia (Valencia)
Jan 2015 - Nov 2024

CENTER JOAN CLIMENT
Jan 2016 - Dec 2019

TOWNHALL
Rotova (Valencia)
Nov 2024 - Nov 2024

Red Cross Volunteer

I taught Spanish to Ukrainian migrants fleeing the war and helped them with translations when they needed to go to the hospital, the bank or the city hall.

President of the Slavic Culture Association of Gandia

I helped the association with the documents and in the organization such as the creation of the school for children and the traditional dance group.

Political post

Education counselor, Sports councilor, Tax councilor, Music school manager, New technologies councilor in the town council in Rotova, (Valencia) Spain.