

# Sergio Ruiz

## Senior Software Developer

### Contact

#### Email

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### About

Experienced Senior Software developer with 14+ years of industry experience, including a lifelong passion for computers and coding since a young age. Demonstrates expertise in code quality, performance optimization, Gen AI and continuous integration. Quick learner with the ability to adapt to new languages and environments seamlessly, thanks to a comprehensive understanding of various programming languages and operating systems.

### Profiles

#### GitHub

[serginator](#)

#### Twitter

[serginator](#)

#### LinkedIn

[serginator](#)

### Work

Nov 2024 – Present

#### TAXFIX - Senior Software Engineer

Senior Software Engineer at Taxfix, focused on full-stack development, mainly Node.js, Golang, React.js and Next.js with TypeScript, using GCP infra. Starting to navigate into the world of LLMs to enhance our developments and our tools.

#### Highlights

- 2025-09 - present # Started automating development using n8n and coding agents, from Jira to Draft PRs.
- 2025-09 - present # Started exploring MCP and its potential providing context during development and also enhancing our tools.
- 2025-05 # Initiated the use of well curated prompts in VSCode and Cursor to generate tests automatically for our codebase to increase the coverage easily
- 2024-11 - present # Development of internal applications to handle taxes submissions in React.js and Next.js, with Golang and Node.js for the backend, using MySQL, MongoDB and GCP infra
- 2024-11 - present # Research new features using VertexAI, Gemini API, and LLMs.

- 2024-11 - 2025-05 # I've driven, developed and released the first company's AI feature to production to reduce the handling time of our users by several minutes. It involved testing different models (gemini's, openai's, other opensource ones like llama 8b or 70b) and infrastructures, checking accuracies, latencies, prices... Also checking different libraries for Python and Golang, developing a feedback system to constantly improve the prompt, setting dashboards in snowflake to monitor the usage, adoption, ratings...

Dec 2022 – Nov 2024

## **TAXFIX - Software Engineer**

Software Engineer at Taxfix, focused on full-stack development, mainly Node.js, Golang, React.js and Next.js with TypeScript, using GCP infra.

### **Highlights**

- 2022-12 - 2024-11 # Development of internal applications to handle taxes submissions in React.js and Next.js, with Golang and Node.js for the endpoints.

Dec 2012 – Oct 2022

## **SERQUO - Programmer Analyst**

Software Developer at Telefónica Tech (previously at I+D). I've worked mainly focused in full-stack javascript, continuous integration and applying best practices, most of the time at video area developing the UI of Movistar TV set-top-boxes for LATAM, now at Cloud area developing CloudBlue APS/Connect for our CSB, both connectors and endpoints.

### **Highlights**

- 2022-01 - 2022-10 # Telefónica - Devi: Integrations with CloudBlue, endpoint development in Node.js; development of Connect products and endpoints in Node.js. Development of Jenkins CI/CD pipelines.
- 2019-03 - 2022-10 # Telefonica - MultiCloud: Development of Connect applications (previously APS 2.2) for CloudBlue, integrating external cloud services (AWS, Azure, GCP...). Backend in AWS lambdas using Python/Node.js.
- 2019-01 - 2019-03 # Bankia: A simple Angular 1.x application to check fraudulent usage in ATMs
- 2017-01 - 2019-01 # Movistar TV - Hybrid HTML: The same but using HTML instead of SVG, and Webpack instead of Grunt.js. In 2017 we made it in Vue.js, in 2018 we removed it and did everything with Webcomponents.
- 2015-01 - 2019-01 # Movistar TV - Hybrid SVG: Development of the UI of a set-top box (STB) with satellite/cable and internet connection for TVApps and VOD, using SVG and JavaScript to communicate with the middleware. Also I've installed and configured all the continuous integration environment with Jenkins and Sonar, and made the Grunt.js tasks to automate everything, from linting or testing to opening pull requests automagically integrating Crowdin with new translations from the OBs.
- 2015-02 - 2015-03 # Movistar TV - GO: Movistar TV web application, which allows to watch Live TV and VOD content, and handle your subscriptions, view the EPG and more. Joined the team for one month to speed development of new features.

- 2015-01 - 2019-01 # Movistar TV - Chromecast Receiver: Chromecast Receiver for the mobile applications of Movistar TV, which handles to play Live TV and VOD on Chromecast. Developed in Angular JS. Also installed and configured all the continuous integration environment with Jenkins and Sonar, and made the Grunt.js tasks to automate everything, from linting or testing to opening pull requests automagically integrating Crowdin with new translations from the OBs.
- 2014-01 - 2014-11 # Telefonica - Cloud Service Broker: CSB is a panel to manage users, assign resources or services, handle your account as a user... It uses Parallels (POA and PBA). Development of an APS 1.2 to integrate McAfee Multi Access in CSB, front-end (in Dojo Toolkit) and back-end (in Node.js), for O2 (UK and GER) and VIVO (Brazil). Also made all the ci environment.
- 2013-07 - 2014-02 # Telefonica - Feedapp: Web application made with the magic of Meteor.js and Lungo.js, connected to our internal LDAP server to handle logins. After finishing it, we ported all the Lungo.js part to Firefox building blocks as some of the members of the team were members of Firefox OS and wanted to use it in their devices. This app allows to send feedback to people personally or anonymously about projects, behavior...
- 2012-12 - 2013-12 # Movistar TV - Hybrid: Development of the UI of a set-top box (STB) with satellite/cable and internet connection for TVApps and VOD, using SVG and JavaScript to communicate with the middleware. Also I've installed and configured all the continuous integration environment with Jenkins and Sonar, and made the Grunt.js tasks to automate everything, from linting or testing to opening pull requests automagically integrating Crowdin with new translations from the OBs.

Jan 2012 – Dec 2012

### **CIBER - Systems Integration Consultant**

Programmer at System Integration, I've been developing a social network, Android apps, rest services at BBVA GAE project, sites with Google Sites for internal

documentation at BBVA and Telepizza's mobile app.

### **Highlights**

- 2012-09 - 2012-12 # Telepizza - Mobile app development: Development of the Smartphone/Tablet application, with our own javascript framework to load all sections dynamically in a single page application.
- 2012-06 - 2012-09 # BBVA - Google App Engine (GAE) Team: Development of services and apps for BBVA using Google App Engine (GAE). After the development of several REST services, I created some documentation webs for internal projects using Google Sites and developing gadgets in Google Apps Script.
- 2012-02 - 2012-02 # HEEL - Android application: Development of a tablet application (Android) for a pharmaceutical laboratory. This app is used to let pharmacists to fill and sign contracts of sale and purchase, with a pharmacy database. It captures the form as a digital image and stores the filled form in CVS format to post-process it.
- 2011-06 - 2012-06 # TUYYOU - Development of a Social Network: Continuing the development.

**CIBER - Junior Systems Integration Consultant**

Junior Programmer at System Integration developing a social network.

**Highlights**

- 2011-06 - 2012-06 # TUYYOU - Development of a Social Network: Social network development using ELGG and modifying it's core. It pretended to join a buying platform with a professional network, offering the possibility to earn money from your referrals. It was running for several years, being announced in several media around the country.

**Volunteer****Game development in JavaScript**

Mar 2012 – Mar 2012

**Speaker**

It was a conference @etnassoft and I did about Game Development in JavaScript. It was in CAMON, with around 90 attendees.

**Highlights**

- Video: <https://vimeo.com/39259983>
- Slides: <http://www.serginator.com/juegos-en-js/#/home>
- Info about the session: <http://lanyrd.com/2012/madridjs/sdqxgc/>

**Game programming in JavaScript**

Dec 2013 – Dec 2013

**Speaker**

Advanced workshop on how to develop a game without libraries, plain JavaScript, for the GameMe5 event. In this workshop we showed and explained in four hours, step by step, a shootem up demo.

**Highlights**

- Repo with more info and code:  
<https://github.com/serginator/workshopGameMe5>
- The game can be played here: <http://serginator.github.io/workshopGameMe5>

**MadridJS Meetup**

Aug 2011 – Dec 2015

**Co-Organizer and member**

Co-Organizer of MadridJS, helping with talks and organization but with the lack of time, just member since 2015

**HTML5 Spain Meetup**

Feb 2012 – Dec 2015

**Member****JavaScript study group**

Aug 2011 – Sep 2011

**Member**

Study group formed by several members of the JavaScript community in Madrid to learn and debate about JavaScript ecosystem.

## LinkedIn Learning

Aug 2025 – Aug 2025

AI Pricing and ROI: A Technical Breakdown

Course

## LinkedIn Learning

Aug 2025 – Aug 2025

Complete Guide to Evaluating Large Language Models (LLMs)

Course

## LinkedIn Learning

Aug 2025 – Aug 2025

Agentic AI Fundamentals: Architectures, Frameworks, and Applications

Course

## LinkedIn Learning

Aug 2025 – Aug 2025

Agentic AI for Developers: Concepts and Application for Enterprises

Course

## LinkedIn Learning

Aug 2025 – Aug 2025

Building Agents with Vertex AI

Course

## LinkedIn Learning

Aug 2025 – Aug 2025

Advanced RAG Applications with Vector Databases

Course

## LinkedIn Learning

Aug 2025 – Aug 2025

Advanced Prompt Engineering Techniques

Course

## Udemy

Sep 2022 – Oct 2022

React JS + Redux + ES6

Course

## Udemy

Sep 2020 – Sep 2020

Ethical Hacking Fundamental Course - Learn From Scratch

Course

## Imagina Formación

Oct 2018 – Dec 2018

ES6, Polymer and WebComponents

Course

<b>Imagina Formación</b>	May 2017 – Jun 2017
Web Development with React JS	
Course	
<b>Imagina Formación</b>	Nov 2016 – Dec 2016
Design and conceptualization of videogames	
Course	
<b>Imagina Formación</b>	Sep 2016 – Oct 2016
Web development with Node.js	
Course	
<b>Imagina Formación</b>	Feb 2016 – Apr 2016
Responsive Frameworks	
Course	
<b>Imagina Formación</b>	Dec 2015 – Feb 2016
Web development with Angular JS	
Course	
<b>Rice University</b>	Oct 2013 – Dec 2013
An Introduction to Interactive Programming in Python	
Course	
<b>Universidad Nacional de Educación a Distancia - UNED</b>	Jul 2011 – Oct 2012
Creación y Desarrollo de Aplicaciones para dispositivos Android	
Course	
<b>Universidad Complutense de Madrid - UCM</b>	Mar 2010 – May 2010
Dreamweaver CS4	
Course	
<b>Universidad Complutense de Madrid - UCM</b>	Oct 2005 – Dec 2010
Engineering in Computer Science (Not finished)	
Engineering	

# Skills

## Web Development

HTML5

CSS3

LESS

JavaScript

REST

AJAX

## JavaScript

ES6

jQuery

AngularJS

Vue.js

React.js

Redux

Next.js

WebComponents

Polymer

TypeScript

Zepto.js

Underscore

lodash

## Backend

Node.js

PHP

Python

Golang

## Cloud

AWS

GCP

Heroku

Azure

## CI

Jenkins

Sonar

Grunt.js

Webpack

npm

Unix

Docker

Kubernetes

Terraform

## Databases

MySQL

SQLite

NoSQL

MongoDB

## SCM

Git

Github

SVN

TFS

## Security

nMap

netcat

Wireshark

ettercap

MSF

Nessus

OpenVAS

aircrack-ng

Nikto

burpsuite

## Generative AI

LLMs

CLIP

StableDiffusion

Lora

diffusers

VertexAI

Gemini

MCP

LangChain

OpenAI

## Machine Learning

Tensorflow

Keras

PyTorch

pandas

OpenCV

## Design

Photoshop

Zbrush

Softimage|XSI

Terragen

Gimp 2

Inkscape

# Languages

## Spanish

native

## Japanese

basic

## English

professional