

Marco Antonio Calderón Pérez

Full-Stack Web Developer

Ensenada, Baja California, México

SKILL HIGHLIGHTS

- Full-Stack web developer using MVC frameworks: ASP.NET Core, ASP.NET MVC, NodeJs, ExpressJs, NestJs, Spring, Django; RESTful APIs (development and consumption using GraphQL and simple REST APIs) and front-end frameworks (Next.js).
- Programming languages: C# (ASP.NET Core, ASP.NET Framework, 2 years), Java (5 years), JavaScript (8 years), TypeScript (6 years), Python (4 years), C, C++ (Qt, Linux), Java (5 years), Lua, Ruby, SQL (10 years).
- Front-end Developer working with JavaScript frameworks: React (5 years), Next.js (3 years), Angular 10 (2 years), and React Native/Expo (2 years).
- Database designer and administrator: SQL Server (2 years), Oracle SQL (1 year), MySQL (5 years), MariaDB, PostgreSQL (5 years), MongoDB (2 years), Redis (1 year).
- Cloud technologies: Vercel (3 years), Netlify (1 years), AWS (2 years), DigitalOcean (1 year)
- Microsoft tools: SSIS, Azure, ASP.NET Core, ASP.NET framework MVC.
- Serverless deployments in Vercel and Netlify with JavaScript Frameworks (Next.js).
- Ability to learn new programming and development tools with ease.
- Able to lead a small development team to address and solve technical issues in a timely fashion.
- Teamwork and agile collaboration.
- Process analyst.
- Operating Systems: Windows 10/11, Linux for servers, desktop and embedded (Debian, OpenSUSE, CentOS, Ubuntu).

EDUCATION

M.Sc. in Computer Science

2013 - 2016

CICESE - Ensenada, Baja California.

B.S. in Electronic Cybernetics Engineering

2009 - 2013

Cetys University - Ensenada, Baja California.

PROFESSIONAL EXPERIENCE

November 2020 - Present

Full Stack Web Developer (Independent) - Upwork

Successfully delivered a wide range of web and mobile development projects on Upwork, including full-stack applications using React, Next.js, and Nest.js. Worked with companies such as Lutely (Full Stack with Next.js and Nest.js), Brikl (Next.js), SI Portal (Angular 10), Donately (React), Matidor, EasyShopTracker and others. Projects included interactive data visualizations with Chart.js, GIS tools, mobile apps with Ionic and React Native, API integrations, performance optimization, eCommerce platforms, NFT and crypto dashboards, automation for data scraping, and frontend implementations for SaaS and AI-driven platforms.

August 2018 - October 2020

Advancio - Full-Stack Web Developer

.NET Framework and ASP.NET Core Development for administrative tools and data transfer using SQL Server and SSIS technologies, Web development and REST APIs integration and design. Organization and requirements gathering for full projects and releases. Detailed documentation of the development process in each stage. Research, prototyping and development on actual Front-End technologies (Angular 10, React) along with ASP.NET Core MVC application.

February 2017 - May 2018

CICESE - IT Department

Leadership of Front-End development for warehouse operations systems. Full-Stack Web Development of administrative systems using Java, Spring Framework and REST APIs. Design of database schemas using Oracle technologies. Process analyst including code maintaining tasks and documentation. Tool development for administrative systems using C#.

February 2016 - February 2017

CICESE - Advanced Research in Telecommunication Networks and Systems Department

Embedded development of Optical Sensors using C/C++ for Linux. Performing image processing and compression tasks for a miniaturized satellite (CubeSATS). Development and design of Earth Station user interface for CubeSAT control, data acquisition and image processing tasks. Web services development for oceanographic buoys that required automated data retrieving processes.

March 2014 - March 2015

IDES México

Mobile development for Android and Back-End development of embedded systems for Smart House to control the electrical home consumption. This development included ZigBee communication technology and Contiki Framework using C/C++ and Python languages.

January 2013 - June 2013**Softtek**

Full-Stack Java EE web development for management software using MVC pattern. Mobile Application development for Android.

January 2011 - March 2012**Servicios Profesionales de Ensenada**

Embedded software development for PLCs and automation oriented systems for local industry.

HIGHLIGHT OF ACCOMPLISHMENTS

March 2013

CleanTech Challenge contest at México with COREDOM domotics project.

October 2008

Accreditation course for Java.

SELECTED PUBLICATIONS

“Anxiety detection using wearable monitoring”. Jointly authored with Jesús Favela and Darién Miranda. MexIHC '14 Proceedings of the 5th Mexican Conference on Human-Computer Interaction, pp. 34-41. November 2014.

“A More Human-centric Internet of Things with Temporal and Spatial Context”. Jointly authored with Saúl Delgadillo and Antonio García Macías. Procedia Computer Science Journal Vol. 83, pp. 553-559. May 2016.

LANGUAGES

Spanish (Native)

English (Full professional proficiency)