Christian Melgarejo

Senior Software Developer

https://github.com/cmelgarejo

https://cmelgarejo.dev

A results-driven software developer since the year 2004, delivering quality, adaptable, and sustainable code using best practices and suitable design patterns. Proven track record of building high availability, scalable platforms from scratch.

Hourly Contracts

GameOn Entertainment   Senior Backend Engineer   January, 2024 - Ongoing

Project: GameOn Live Fantasy - https://gameon.app
Location: Remote

- Creating and maintaining API and microservices both Go and Python based.
- Architecture new features for the live fantasy app
- Maintaining features and backoffice pages
- Implementing new 3rd party API integrations
    - *Tech stack:* Go, NodeJS, NestJS, ReactJS, NextJS, HTML/CSS, Typescript/Javascript, MySQL, DigitalOcean

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Joguapp   Tech Consultant   April, 2023 - Ongoing

Project: Joguapp - https://joguapp.com
Location: Remote

- Tasked to develop a NodeJS and Go based services to manage e-commerce focused service that integrates with a mobile app, a back office app for managing all the posts, users, messages in app, also the front end ReactJS to manage all the interactions, configure options and view reports.
    - *Tech stack:* Go, NodeJS, NestJS, ReactJS, NextJS, HTML/CSS, Typescript/Javascript, MySQL, DigitalOcean

Full-time Work

Hyfe.ai   Senior Frontend Engineer   September, 2023 - February 2024
Project: CoughPro Insights Dashboard - https://hyfe.ai
Location: Remote

- Developed a NextJS frontend dashboard with graphs and custom components to represent all the cough information picked up by the state of the art app with a ML model to detect different types of coughs from the user.
- Created and implemented APIs and 3rd party integrations with Go microservices
    - *Tech stack:* NodeJS, NextJS, ReactJS, HTML/CSS, D3.js, Go

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Cuely   Senior Software Engineer   April, 2022 - September 2023
Project: Cuely - https://cuely.ai
Location: Remote

- Developed a Go based service to manage a wellbeing focused gamified service that integrates with Slack, Microsoft Teams.
- Created a web-app (ReactJS) to manage all the interactions, configure options and view reports.
    - *Tech stack:* Go, ReactJS, NextJS, HTML/CSS, Javascript, PostgreSQL

Tyk.io   Senior Full Stack Developer   July, 2021 - April 2022
Project: Developer Portal (Backend and Frontend) - https://tyk.io/docs/tyk-developer-portal/
Location: Remote

- Developed internal and client facing software tools for the https://tyk.io OSS gateway, web portal to manage IdP (Identity Providers) and the tyk.io gateway interactions.
- Helped on the development and integration of microservices and 1st & 3rd party external services
- Extending and developing open source CMS software: QOR https://getqor.com/en
    - *Tech stack:* Go, HTML/CSS, Javascript, PostgreSQL, MySQL, SQLite

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AddinexTech   Lead Full Stack Developer   April, 2021 - July 2021

Project: Addinex System (Backend to Frontend - Some features of the ReactNative App)
Location: Remote

- Responsible for the development of the architecture and design (Back and Front) of the system that manages the Addinex patented low-cost medicine dispensing system to prevent prescription drug misuse with:
    - password-protected dosage access
    - real-time patient education and excess medication destruction
    - data feedback on actual usage patterns.
  - *Tech stack:* NodeJS, NestJS, ReactJS, NextJS, HTML/CSS, PostgreSQL

SparkDigital   Senior Backend Developer   October, 2020 - April, 2021

Project: AccessIntegra Backend and Portal
Location: Remote

- Backend development, database and data models, integrations of 1st & 3rd party APIs, design and development several microservices, TDD and Production deployment
  - *Tech stack:* Go, OpenAPI Spec, Apache Kafka, PostgreSQL

On Campus Marketing   Lead Full Stack Developer   October 2018 - October 2020

Project: OCM Portal - https://portal.ocmhub.com | OCM website https://ocm.com
Location: Remote

- Architecture design, database and data models, ETL from legacy systems, integration of 1st and 3rd party APIs, designed the architecture of the services, took the mantle of team lead of the back office services, moving the client facing site from ASP.NET MVC to Go backend - ReactJS Frontend site
  - *Tech stack:* Go, ReactJS, gqlgen, HTML/CSS, PostgreSQL, MySQL

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uTu.ai   Senior Full Stack Developer   August, 2017 - October 2018

Project: UTU.ai portal - Machine Learning Marketplace - https://utu.ai
Location: Remote

- In charge of the frontend development of the marketplace, connection to 1st and 3rd party APIs
  - *Tech stack:* Go, ReactJS, gqlgen, PostgreSQL, MySQL, BigTable

AgilityFeat   Full Stack Developer   February, 2017 - August 2017

Project: Workbox invoice and payment platform - https://workbox.company/
Location: Remote

- Worked in the frontend of Workbox (https://workbox.company) Time tracker and invoice generating app. In charge of the frontend development and integrating the backend microservices
  - *Tech stack:* Node.js, React.js, HTML/CSS, GraphQL, PostgreSQL

Nexoos Paraguay   Senior Full Stack Developer   June, 2016 - February 2017

Project: Nexoos Paraguay - https://www.nexoos.com.py || https://nexoos.com.br
Location: Asunción, Paraguay

- A Fintech platform helps small and medium sized businesses acquire fundraising with lower interest rates than traditional credit lenders such as banks and brokerage houses. Integrating third party APIs, working with Ruby on Rails on the Nexoos system.
  - *Tech stack:* Ruby on Rails, HTML/CSS, Javascript, Scala, PostgreSQL

EDGE S.A.   Full Stack Engineer   December, 2012 - June 2016

Project: Edge Mobile Ideas Gateway - https://www.edgeamg.com/platform
Location: Asunción, Paraguay

- A telecommunications operator's data center and gatekeeper SMS, to handle subscriptions and purchases through various channels, and to charge users for content among other operations, building Windows Server services to sync data via SMPP with the carrier and the content providers. Performed as lead developer in .NET technologies and small mobile apps
  - *Tech stack:* .NET, C#, Javascript, Elixir, Android, iOS, HTML/CSS, MSSQLServer, PostgreSQL

NUCLEO S.A.   Full Stack Developer   December, 2010 - December 2012

Project: Personal S.A. Website and VAS services- https://www.personal.com.py
Location: Asunción, Paraguay

- Full stack development, R&D of new technologies and maintenance of VAS (Value Aggregated Services) ranging from USSD menus and interactions, to 1st and 3rd party API integrations for the telecommunication company Telecom Personal NUCLEO S.A.
  - *Tech stack:* .NET, C#, Javascript, HTML/CSS, MSSQLServer, PostgreSQL

Rastreo Paraguay S.A.   Full Stack Developer   November, 2009 - December 2010

Project: AVL system and website - https://www.rastreo.com.py

Location: Asunción, Paraguay

- Development of the fleet management web application, integration with diverse GPS and car alarm units.
  - *Tech stack:* .NET, C#, Javascript, HTML/CSS, MSSQLServer, PostgreSQL

NOA Group LTD.   Full Stack Developer   January, 2007 - November 2009

Project: Smart city systems integration - https://www.noa-group.net/smart-city

Location: San Pedro Sula, Honduras

- At NOA Investment & International trade worked in a Smart City project for the city of Puerto Cortés (Honduras) that integrated and centralized software to connect CCTV cameras, security systems, criminal AFIS and the aforementioned AVL System
  - *Tech stack:* .NET, C#, C++, Javascript, HTML/CSS, MSSQLServer, PostgreSQL

CUSAT Paraguay S.A.   Full Stack Developer   January, 2004 - January 2007

Project: AVL system and website - https://www.cusat.com.py

Location: Asunción, Paraguay

- Development of the fleet management web application, integration with diverse GPS units and integration of Telecom SMS system for triangulation and location of vehicles
  - *Tech stack:* .NET, C#, Javascript, HTML/CSS, MSSQLServer, PostgreSQL

Consultant Jobs

(Positions where contributed on a seasonal basis, part-time or hourly)

Tyk.io   Senior Full Stack Developer   April, 2022 - August 2022

Project: Developer Portal (Backend processes) - **https://tyk.io/docs/tyk-developer-portal/**

- Enhancing web portal to manage IdP (Identity Providers) and the tyk.io gateway interactions.
- Integrating microservices, 1st and 3rd party external services
    - *Tech stack:* Go, HTML/CSS, Javascript, PostgreSQL, MySQL, SQLite

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AddinexTech   Senior Backend Developer   August, 2021 - August 2022

Project: **Addinex System** (Backend extensions)

- Extending and maintaining the schemas of the system
- Engaging on DevOps tasks, deployment and monitoring systems
    - *Tech stack:* NodeJS, NestJS, PostgreSQL

PSI Services   Senior Backend Developer   February, 2020 - March 2021

Project: PSI Services - **https://www.psionline.com**

- Technology Consultant developing backend services in Go, developing and extending current APIs for services provided in the platform, specifically for AWS.
    - *Tech stack:* Go, NATS, MongoDB, MySQL, PostgreSQL

Past Personal Projects

Loogistico   CTO   **August, 2018 - September 2023**

Project: Loogistico - https://loogistico.com
- Loogistico is a door to door delivery and package handling company. Each of our delivery agents are trained to provide the best experience in each service.
- Technology Consultant in package management and door-to-door delivery application services and website
  - *Tech stack:* PHP, Go, NodeJS, HTML/CSS, Javascript, MySQL, PostgreSQL

Checkpoint   CTO   **August, 2016 - April 2018**

Project: Checkpoint - https://github.com/cmelgarejo/centralgps_webapi
- Checkpoint is best used to track and time check in's and within those checks, you can have a set of specific activities previously loaded and leave notes on said activities you make. It's generic enough to make medical visits, pre-sales, sales, technical repairs, etc. and, as one client is using it, to make a check, where the user is an trainer that can mark a training activity, and can input the list of people that he's training and in which course/area the training is aiming.
  - *Tech stack:* Elixir, Phoenix Framework HTML/CSS, Javascript, PostgreSQL

Certifications

MERN Full-Stack development

Issuer	Massachusetts Institute of Technology
Credential URL	https://certificates.emeritus.org/3934cf46-04ab-4645-ba0c-b30228e8de14

ES SET English Certificate 78/100 (C2 Proficient)

Issuer	EF Standard English Test (EF SET)
Credential URL	–

Education

- **Universidad Americana - Asunción, Paraguay**
  - **Bachelor Degree in Computer System Analysis** *(2019 - 2023)*

Languages

Language	Proficiency
English	Advanced
Spanish	Native
Portuguese	Basic

Technologies that I enjoy work with

(Sorted by years of experience and personal preferences)

Technology / Language	Years of experience
HTML/CSS	18
Go	6
JavaScript	15
Typescript	4
NodeJS	7
Elixir	2
Ruby	2
C/++	2
.NET (C#)	10
PostgreSQL	12
MySQL	10
Microsoft SQL Server	8
MongoDB	3