

Juan García

📍 Madrid, Spain ✉ srgarci79@gmail.com 🖱 www.juangm.dev 🌐 juan-gm

Profile

I am a software engineer who loves to solve difficult problems. I recently co-created Horus, an end-to-end open source observability solution for small microservice applications.

Technical Experience

Co-creator, Software Engineer, Horus [🔗](#) 2021 – present

- Horus is an open-source observability solution for microservice applications
- Created telemetry data pipeline: generating (OpenTelemetry), processing (Express), storing (TimescaleDB), and visualizing (React) metrics and traces
- Led front-end user interface development and implementation
- Prototyped alternative infrastructures using Grafana, Jaeger, Zipkin, and ElasticSearch
- Developed Horus Agent, an npm package that abstracts the work of using OpenTelemetry SDKs to instrument and export metrics and traces to Horus
- Tested Horus infrastructure end-to-end in a distributed microservice architecture hosted across multiple DigitalOcean VPS
- Load tested with artillery.io, front-end tested with Jest
- Led automated deployment using Docker
- Authored Horus case study [🔗](#) and gave a presentation [🔗](#) of it
- Collaborated with a remote team of 4 engineers across 3 timezones

Creator, Software Engineer, Cryptographic Educational Escape Rooms 01/2021 – 07/2021

- Created a tool to make it easy for teachers to develop online educational escape rooms without technical knowledge
- Utilized React / Redux and API calls to the Escapp platform

Full-stack software engineer, Self-employed 2020 – 2021

- RequestBin-like app to receive and debug webhooks (PostgreSQL, Express.js)
- Trello-like collaboration app (MongoDB, Express.js, React/Redux, Axios, Jest)
- E-commerce shopping cart app (React/Redux, MongoDB, Express.js, Jest)

Education

Launch School 2020 – 2021

An online school for software engineers

Telecommunication Engineering, Polytechnic University of Madrid 2017 – 2021

Intro to Java, Software Design and Analysis, Computer Networks, Intro to Robotics, Networks and Systems Security, Data Centers and Service Providers

Skills

Backend (Node.js, Express.js, Ruby, PostgreSQL, TimescaleDB, MongoDB, RESTful APIs, HTTP, Java, Go)

Frontend (JavaScript (ES6), React/Redux, event-driven programming DOM, HTML, CSS, TailwindCSS)

Tooling (Git/GitHub, Linux, Bash, PM2, OpenTelemetry, Grafana, NPM)

Cloud (Digital Ocean Droplets, Heroku, Docker (incl. containers, images, networks, compose))