

Mario Gómez Ballesteros

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PROFILE

Lead Software Engineer with end-to-end product experience across satellite operations, fusion-energy real-time platforms, sustainable mobility and digital health. Combines architecture, applied machine learning and team leadership with hands-on delivery — from backend services and cloud deployment to interactive frontends and customer onboarding. Serial cofounder of three ventures.

WORK EXPERIENCE

10/2025 – PRESENT · Talavera de la Reina / Madrid

Founder & CEO — KARDASHEV AI

Built HELIOS end to end: optimisation engine, hosted service, interactive 3-D simulator, developer portal and pricing surface. 14 capability blocks across 43 operational endpoints; production service live.

04/2024 – PRESENT · Madrid

Lead Software Engineer — Minsait (Indra)

ITER International Thermonuclear Experimental Reactor (Cadarache). MINT platform — real-time visualisation and trend analysis for the largest international fusion-energy programme.

10/2020 – PRESENT · Talavera de la Reina

Cofounder — Zmove

Sustainable-mobility platform for shared corporate vehicles. Optimises fleet usage and reduces carbon footprint for companies operating multi-driver vehicle pools.

10/2020 – PRESENT · Madrid

Cofounder — Teratuti

Digital platform for therapy services. End-to-end product with scheduling, in-session video calls, real-time chat and Stripe-powered payments for practitioners and clients.

03/2021 – 04/2024 · Madrid

Consultant → Senior → Manager → Associate Manager — PageGroup

Led a team of technology consultants as Manager and Associate Manager. 360° coverage across data, DevOps, QA, backend, frontend, fullstack, cybersecurity, relational and non-relational data stores, UX/UI, cloud and platform engineering.

SELECTED HIGHLIGHTS

- › KARDASHEV AI — built a production satellite-operations platform end to end (optimisation core, hosted service, 3-D simulator, developer portal) on European cloud infrastructure with EU data residency.
- › ITER fusion-energy programme — lead engineer on the MINT real-time visualisation platform at Minsait/Indra, supporting one of the largest international clean-energy programmes in the world.
- › Serial cofounder and team leader — three ventures (KARDASHEV AI, Zmove, Teratuti) plus Manager and Associate Manager at PageGroup leading teams of technology consultants.
- › Full-stack engineering breadth — backend services, real-time data platforms, applied ML/DL, cloud architecture with Terraform, interactive 3-D frontends and applied cybersecurity, all delivered hands-on.

EDUCATION

2025 · Remote

Data Science

The Bridge

2024 · Remote

Junior Cybersecurity Analyst

Cisco

2018 – 2020 · Madrid

Human Resources Master's degree

ICADE Business School

2018 · Remote

Postgraduate in Coaching, NLP and Team Leadership

European Business School of Barcelona

2014 – 2018 · Talavera de la Reina

Business Degree

UCLM

SKILLS

ENGINEERING

Python, TypeScript, FastAPI, REST, SQL, PostgreSQL, Microservices, System Design, Real-time

AI & DATA

Machine Learning, Deep Learning, TensorFlow, PyTorch, Reinforcement Learning, Pandas, NumPy, Scikit-learn, ETL

CLOUD & DEVOPS

GCP, AWS, Docker, Kubernetes, Terraform, CI/CD, Linux, Git

SPACE & DOMAIN

Orbital Mechanics, Satellite Operations, Space Technology, TLE, Orekit

FRONTEND & UX

Three.js, JavaScript, UX/UI, Figma

SECURITY & PRODUCT

Cybersecurity, Wireshark, Splunk, Product Strategy, B2B SaaS, Startups

CERTIFICATIONS

2025 Data Science Bootcamp — The Bridge

2024 Junior Cybersecurity Analyst — Cisco

2018 NLP & Team Leadership — EBSB

LANGUAGES

Spanish **C2** 100 %

English **B1** 75 %