

ANTONIO HERNÁNDEZ

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Software Engineer | Technology leader | Agile & Lean Expert

Over 25 years of experience in software development, team leadership, and strategic planning. Passionate about leveraging technology for human-centric solutions. Proven track record in transforming legacy systems, driving product development, and fostering a culture of innovation and growth.

Key Skills:

- Architecting scalable, secure solutions
- Driving product development and business strategy
- Leading global, remote technical teams
- Ensuring customer privacy and security

Fluent in English, Spanish, and Catalan. Committed to using technology as a force for global equity and justice.

EXPERIENCE

Dai Apolon (SELF OWNED)

CTO & Lead Software Engineer

2015 – Present

Stack & technologies: Go, React, Php, TypeScript, Android ADB, Cassandra, Mongo, MySQL, Postgres, Docker, Ceph, WebRTC, SIP, Asterisk, Selenium, Ethereum, Geth

- Created a Go high-throughput and high-concurrency backup & processing system for extreme size files.
- Created a transaction optimization system on top of Go Geth nodes, for an Ethereum project.
- Providing consultancy and remote development expertise, ensuring high-quality deliverables for global clients, collaborating with their internal engineer and product teams.
- Worked on projects such as Enables Concierge and Euromillions.com, providing my services as CTO and Lead Developer, creating and growing their internal tech teams whilst transitioning their legacy platforms to a more modern approach using Domain-Driven Design and Test-Driven Development.

World Mobile Group

Principal Backend Engineer & Strategic Tech and Product Advisor

September 2024 – Present

Stack & technologies: Go, Solidity, Kubernetes, ArgoCD, Postgres, NATS, Cardano, Ethereum, DID

- Went back into full-time backend development to refactor and create new critical systems for the company. Building high-performant and high-concurrency distributed systems with Go.
- Strong focus on increasing robustness and resilience in all the backend systems, mostly built in Go.
- Creating an API and related services that will serve as source of truth of the telecom usage data for most of the internal microservices.
- Advising on strategic technology and product initiatives, taking critical decisions related to backend architecture, scalability, and performance. Guiding the long-term vision and growth.
- Assisting the current CTO and Product Departments, providing strategic guidance, mentoring developers, and conducting code reviews.
- Mentoring leadership teams on technical best practices, team management, and product development processes.

Acting Chief Product Officer (CPO)

March 2024 – September 2024

- Transitioned to the CPO role to steer product strategy, delivery, and innovation. To that extent, I led the implementation of a new product development approach at World Mobile Group, increasing cross-department collaboration and enhancing product alignment with market needs.
- Introduced a holistic product development approach to improve collaboration between engineering, design, and marketing teams.
- Engaged stakeholders and integrated user feedback to align products with market needs, resulting in increased user adoption and satisfaction.

Chief Technology Officer (CTO)

Oct 2018 – March 2024

Stack & technologies: Go, Svelte, Solidity, Kubernetes, ArgoCD, Postgres, NATS, Cardano, Ethereum, DID

- Hands-on CTO, coding backend systems and architecting a cutting-edge telecommunications ecosystem integrating Decentralized Identifiers (DIDs) and encryption, enhancing customer security and privacy.
- Leveraging my extensive network of professional software developers to create and lead a global team of 30+ engineers from scratch.
- Supervising the IT and Information Security departments, as well as the QA team, ensuring alignment with organizational goals.
- Negotiating and contracting several outsource and augmentation companies, ensuring proper alignment with the internal teams and development objectives.
- Spearheading the development of our blockchain system, collaborating closely with blockchain experts and software architects.
- Bridging business strategy and product development with technology as acting Chief Product Officer (CPO), creating some of the key products of the company from inception
- Presenting technical advancements, business updates, and strategic initiatives to the community, investors, and partners via Twitter spaces, YouTube interviews, and live events.
- Enhancing stakeholder engagement by communicating complex technical and business concepts in accessible language to diverse audiences.
- Managing the Spanish subsidiary, World Mobile Labs.

VTs Media & Electronic Life Solutions

CTO & Lead Software Engineer

2008 – 2015

Stack & technologies: Php, Node, React, MySQL, WebRTC, Wowza

- Directed the technical and artistic teams, modernizing digital platforms to ensure high availability and scalability for increased traffic.
- Led the transformation of amateur.tv, a high-traffic live adult video site, transitioning from a monolithic procedural codebase to a modular, service-oriented architecture; making it the number one site of its type in Spain.
- Managed and mentored a team of skilled technicians, quality engineers, and designers, fostering a culture of innovation and rapid development.
- Spearheaded the company's diversification efforts and oversaw new product developments, driving technical and business advancements.
- Implemented lean principles and agile methodologies improving team productivity.

Various Companies

From Junior to Senior Software Engineer

1999 – 2008

Stack & technologies: *Php, Asp, ColdFusion, ActionScript, MySQL, Delphi, OpenGIS, VisualBasic, SQL Server, Flash*

Companies: *Perception Technologies, Citric Multimedia, Vespito, Codilink*

- Progressed from Junior to Senior Software Engineer, developing innovative web solutions and high-performance applications. Directed R&D in GIS applications and optimized backend systems for performance, scalability, and security.

EDUCATION

Certified Scrum Master, Scrum Alliance (2013)

B.Sc. in Computer Science and Engineering, Universitat Politècnica de Catalunya (1995-2000)

- Specialized in Software Engineering and Systems Administration.

SKILLS

Technical Skills:

- Software Architecture, Software Development Life Cycle (SDLC), Software Development, Blockchain Technology.
- Cloud Computing (AWS, Azure, Google Cloud), Information Security & Encryption, Decentralized Identifiers (DIDs).
- High-throughput and High-concurrency Systems.
- Distributed, low-latency systems.
- Performance optimization, profiling, and monitoring.

Leadership Skills:

- Strategic Leadership, Team Building, Engineering Management, Remote Team Management.
- IT Department Supervision, Vendor and Outsourcing Management, Financial Acumen, Change Management.

Methodologies:

- Agile Methodologies, Product Development, Software Project Management.
- Domain-Driven Design, Test-Driven Development, Lean Principles, DevOps, Continuous Integration/Continuous Deployment (CI/CD).

OTHER

- Startup native: Adaptability, product focus, and pragmatism as guiding principles.
- American Football player and assistant coach, 1991 – 2004, Spanish National League Champion 2000.
- Brazilian Zouk dancer, teacher, and performer (2005 – 2018), organizer of a successful Zouk Festival (2013 to 2017).