

Mar Martinez

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Overview

She has a long career in the world of IT solutions. She has held various positions from programmer to project manager, going through solutions analyst & designer, sales technical support and consultant. And recently, an entrepreneur.

Education

2018 | UDACITY | AI NANODEGREE WITH NLP SPECIALIZATION

- <https://confirm.udacity.com/S6TUXXP>

2016 | SCRUM MANAGER® | PROJECT MANAGEMENT WITH SCRUM (SCRUM MASTER)

- ID 15182

2015 | PEOPECERT | PRINCE2 PRACTITIONER & FOUNDATION

- GR634015129MM

1996 | UPV | BS + MS IN TELECOMMUNICATION ENGINEERING

- Universidad Politécnica de Valencia, España

Skills & Abilities

- High organizational capacity, no forgotten tasks or uncovered areas
- Fluent communication with all collaborators and managers or subordinates
- Excellent collaboration skills and clear transmission of information
- Good at customer relations and solution presentations
- Oriented to the fulfillment of the committed dates and quality for the task, both as manager and worker
- High ability to find creative solutions to problems posed
- Design of solutions of great simplicity and precision
- Aware of the importance of documentation and testing in the world of software
- Knowledge of all aspects of software design, development, deployment and support
- **Languages:** Spanish (native), English (B2 to-C1)

Technical knowledge

- Areas:
 - Apps development, positioning and promotion
 - Analysis of structured and unstructured data with Machine Learning and Deep Learning
 - Video, image and audio processing with Machine Learning and Deep Learning, Natural Language Processing and Large Language Models usage
 - Telecommunications, Operators interconnection billing (national and roaming), Real time billing, Advanced telephony services network nodes, Revenue assurance, Content providers integration
 - Critical live systems (no outages allowed) and Long lasting systems with evolutive developments
- Platforms used: Linux/Unix dedicated deployed servers, Virtualization farms, Cloud computing
- Software development tools: Git, Xcode, Visual Studio, Android Studio, Spyder, Python Notebooks
- Programming languages and frameworks: C, C++, C#, Python, Shell scripting, Swift, Kotlin, KMM, IOS and Android frameworks, Haystack
- Databases and backends: Cloud Firestore, Firebase, AWS-Amplify, DynamoDb, MongoDB, MySQL, OracleDb, TimesTen, RDDTool, Access, SQL language
- Telematics and protocols: SIP, XCAP, IN, SS7, TCP/IP, HTML, REST, MQTT
- Integraciones con SaaS: Stripe, ApplePay, DocuSign, Onfido, Microbilt, OneSignal, LiveChat, MailerLite, Sentry
- Other tools: MS Office Suite, Visio Flowchart, Power BI, Figma, Asana, Slack

Roles played and key Responsibilities

- **Entrepreneur (5+):** Whatever it takes... and bureaucracy.
- **Project Manager (10+):** Project planning, Apply collaboration methodologies, Kickoff meetings, Follow-up meetings, Report to client, Tracking project dates, Tracking deliverables, Resource allocation, Deployment strategy, Post analysis and lessons learned, Transition from development to operations, SLA support agreements, Quote for functionality extensions.

- **Sales technical support (15+)**: Bidding processes, Analysis of requirements, Solution high-level design and presentation to the client, Economic estimate of the project for development deployment and support.
- **Team Leader (15+)**: Detailed assignment of tasks, Periodic meetings, Problem resolution, Follow-up of integrated and performance tests, Review of documentation and code quality, System deployment review (live and test environments).
- **Analyst & Designer (15+)**: Taking requirements with the client, Negotiation of scope of functionality, Collect information from interfaces with other systems, Design of the solution including platform and technology as well as modules, databases, internal and external interfaces and access APIs. Written agreement with the client, Internal detailed design document for developers. Benchmark estimations for large number of transactions, Backwards compatibility and ensure always-on systems.
- **Programmer (15+)**: Software development, Unitary tests, Integration tests, Performance tests. Documentation.
- **Systems support 3rd level (10+)**: Log analysis, Workaround solution for critical systems recovery and stabilization, Reproduction of the problem in the test environment, Final solution and patch design.

Experience

She has never played a "pure" role, because when working with small teams (less than 10 people), transversality is somehow mandatory. In recent years (10+) her main position has been that of project manager or team leader, although always closely linked to the technical and analysis-design area.

2018-TODAY | AIALABA | COFOUNDER & CTO

- Roles: Project Manager, Team Leader, Analyst & Designer, Sales technical support
- Customers: Small and medium-sized enterprises
- Challenges overcome: Applying ML and DL techniques to extract value from unstructured data, services based on LLMs (commercial served and well as fine-tuned from open sourced models) and prompting techniques
- Technologies & tools: Virtualized servers and Cloud computing, NoSQL db, APIs, Tensorflow, PyTorch, Flask.

2017-TODAY | ALABAFUN | COFOUNDER & CTO

- Roles: Analyst & Designer, Developer, ASO and Marketing Support

- Customers: General public
- Challenges overcome: Creating fun casual games and monetize them, using ML/DL as a game generator
- Technologies & tools: Java & Kotlin, KMM, Swift, Android and IOS SDK, Firebase, AWS-Amplify, AdMob, Python, TensorFlow Lite and several SaaS integrations.

2017-2019 | SANVITAL | ELDERCARE SOLUTIONS

- Roles: Project Manager, Team Leader, Analyst & Designer
- Customers: Nursing homes
- Challenges overcome: Assistance systems development for the elderly using AI, speech to text and facial recognition. Examples: voice-assisted emergency resolution, fall detection, wandering detection.
- Technologies & tools: Edge computing, Development boards, STT-NLP tools, Cloud STT-NLP services (AWS, Google, IBM), Audio processing tools and APIs, Image and video objects and pose detection, 3D printing and design.

2008-2016 | ATOS | CONSULTANT AND PROJECT MANAGER

- Roles: Project Manager, Team Leader, Analyst & Designer, Sales technical support
- Customers: Tier 1 operators (Vodafone, Movistar, Orange)
- Challenges overcome: Real time billing systems, Roaming interconnection billing, Advanced services network, 4G systems transition, Big data analysis
- Technologies & tools: Dedicated deployed servers, Virtualized servers and Cloud computing, Critical systems, SS7, SIP, Intelligent networks, SQL in-memory databases. C and Shell scripting.

2002-2007 | ATOS | SOLUTIONS ANALYST AND TEAM LEADER

- Roles: Team Leader, Analyst & Designer, Sales technical support, Systems support 3rd level
- Customers: Tier 1 operators (Vodafone, Movistar)
- Challenges overcome: Third party services platform and interfacing, Call log billing
- Technologies & tools: Dedicated deployed servers, Critical systems, Intelligent networks, SS7, SQL in-memory databases. C and Shell scripting.

1998-2001 | ATOS | SOFTWARE PROGRAMMER AND DESIGNER

- Roles: Programmer, Analyst & Designer, Sales technical support, Systems support 3rd level

- Customers: Tier 1 worldwide operators (Telefónica, Maxitel/TIM, Cosmote, Antel, Kencell/Airtel)
- Challenges overcome: Interconnection billing systems
- Technologies & tools: Dedicated deployed servers, SQL databases, C and Shell scripting, Java and ASP.

1995-1997 | PRODEVELOP | SOFTWARE ENGINEER

- Roles: Programmer, Sales technical support
- Customer: Port Authority of Valencia
- Challenges overcome: Ship mooring management system with geolocation and cartography
- Technologies & tools: GIS platforms-(ESRI), C++

Recent achievements

2020 | KAGGLE COMPETITIONS EXPERT

<https://www.kaggle.com/maremoto>

2019 | HACKSTER SMART HOMES ON THE EDGE COMPETITION, GRAND WINNERS: 1ST PLACE

<https://www.hackster.io/maremoto/snips-assistant-for-emergencies-safe-c3c178>

Interests

- Play music with my friends in the band.
- Practice fitness and yoga
- Hiking through the mountains of Madrid
- Read novels and science dissemination books