



# Miguel Ángel Romero Lluch

AI and user manager at Vocento. Technical Lead

Technical lead with over 20 years of experience specialized in team management and software development, with a deep passion for AI and impactful projects. My goal is to lead the development of high-quality scalable systems, enhance team growth, promote highly collaborative environments and improve business processes.

## Personal info

**Name:** Miguel Ángel Romero Lluch

**Age:** 41 years

**Place of residence:** Madrid, Spain

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**Portfolio:** [starnetdev.com](https://starnetdev.com)

## Education

**Higher Technician in Computer Systems**

**Administration.** Lope de Vega Institute.

Advanced Vocational Training (2004-2006).

## Awards

1st, 2nd edition AISaturdays awards (2018, 2019).

Atos-Renfe Accolade Silver award (2013).

## Languages

- **English:** Very high reading and writing, high conversation. C1 Advanced level. Certifications: Pearson, Gmetrix, PUE.
- **Spanish:** Native.

## Training

- **MBA in Business creation and Management.** ThePowerMBA (2020-2023).
- **Artificial Intelligence Deep Learning Specialization.** Coursera (2020-2023).
- **Artificial Intelligence AISaturdays** 1st, 2nd, 3rd ed. Deep Learning and RL. (2018-2021).
- **Software Architecture.** Codely, Domain Driven Design, Clean Code, TDD, RESTful services.. (2017-2023).
- **MongoDB** nodeJS. Mongo University (2015).
- **Software Engineering Design.** CEOE (2013).
- **Android Java.** University of Valencia (2013).
- **Symfony**, advanced systems (2011).
- **Oracle 10G.** CEIM (2010).
- **Security.** Pontifical Un. of Salamanca (2009).
- **Skills:** Communication, Meetings, Problems and Conflicts, Team Management (2006).

## Work experience

### Vocento | AI and user team manager. Technical Lead

July 2014 - **present** (10 years). Madrid, Spain.

- **User team manager.** Coordination, planning, functional analysis, research, time management, task and risk management, backlog, leading and mentoring of front-end and back-end teams comprising twenty people.
- **Personnel recruitment processes** for Vocento IT and user team.
- **AI Director** creator of AI department and Community within Vocento IT.
- **Technical lead** responsible for software architecture, quality, Pull Requests.
- **Development and training of framework architectures and cross-functional solutions** with microservices and frameworks in back-end and front-end projects: DDD, TDD, SOLID, hexagonal architecture, REST, gRPC, OpenAPI.
- **Manager and project development lead:** Migration of user platform to a new provider. User registration system. User APIs and Frameworks. Spanish General Election and Valencia Regional Election in 2019. WPO. Google Subscribe widgets, Google Sign In, Apple Sign In, campaign widgets, APP migration, Comments gateway, paywall, Evolok, analytics, NewRelic user session and monitoring, AMP, ITP, SSO, user menu.
- **Analysis and development of over 300 endpoints** for user systems.

### Rey Juan Carlos University | Technical Director

September 2022 - **present** (1 year). Madrid, Spain.

- **Technical lead, infrastructure and development** of multiplatform APP with Flutter and nodeJS for Rey Juan Carlos University, Dentistry department.

### Startup SaRoto | CIO

July 2020 - July 2022 (2 years). Madrid, Spain.

- **Leading, coordination and development of business plan** and strategy.
- **Product development manager**, e-commerce platform, and PWA APP.

### AISaturdays Madrid | Mentor and collaborator

September 2018 - September 2022 (4 years). Madrid, Spain.

- **Leadership of teams and development of Artificial Intelligence projects.**
- **RAG System and Advanced AI Chatbot** with persistent memory.
- **TradingBot:** AI Deep Learning project for stock trading in financial markets.
- **Somvra:** AI Deep Learning project to enhance energy capture in vehicles with solar panels by detecting the optimal route with the highest solar incidence. Satellite data analysis.
- **BookAnimation:** Application of Generative Artificial Intelligence with Deep Learning to digital books for dynamic content generation.

### Ministry of Finance (Atos) | Senior developer

October 2013 - July 2014 (1 year). Madrid, Spain.

- **Migration of backend systems** "Directorio Sedes" y "Oficinas y Terminales" to PHP Symfony v2.3. Requirements analysis and feature development.

# Achievements

- **Rey Juan Carlos University:** Successful case of APP development for Dentistry department. Used by over a **hundred students**.
- **Vocento:** **100% stabilization of user systems. Implementation of framework architectures and scalable solutions.** **Reduction in staff turnover.** Production launch of the 2019 Elections project with **zero incidents.** Training and mentoring interns and their incorporation into the staff.
- **Renfe:** **100% stabilization of user systems.** Recovery of thousands of gigabytes of lost data from bricked hard drives.

# Functional areas

- **Media sector:** User systems and analytics.
- **Railway sector:** Sales and user systems at RENFE.

# Personal interests

- Passionate about artificial intelligence, entrepreneurship, impactful projects, cybersecurity, new technologies, best development practices, hardware, cryptocurrencies, blockchain, financial markets, agile methodologies..
- Hobbies: Sports, music, traveling, nature, meetups, reading novels, books on AI, finance, technology, psychology..

# References

- **Meta (Facebook):** Francisco Fernández Gómez.
  - Senior software engineer.
  - [+34 644 33 19 36](tel:+34644331936) | [info@ffgomez.es](mailto:info@ffgomez.es)
- **Industria Turbo Propulsores:** Jorge Lluch Zanón.
  - Vice President.
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- **Rey Juan Carlos Univ:** Isabel Giráldez De Luis.
  - Assistant Doctor Professor in the Department of Nursing and Stomatology.
  - [+34 669 11 97 81](tel:+34669119781) | [isabel.giraldez@urjc.es](mailto:isabel.giraldez@urjc.es)
- **Airbus:** Ramón Guadalupe Povea.
  - Digitalization Integrator at Test Center.
  - [+34 651 54 95 16](tel:+34651549516) | [ramonguadalupe57@gmail.com](mailto:ramonguadalupe57@gmail.com)
- **Vocento:** Dolores Villegas.
  - Software engineer.
  - [+34 685 82 61 50](tel:+34685826150) | [kitiaruca@gmail.com](mailto:kitiaruca@gmail.com)

# Work experience

## Renfe Media Distancia (Atos) | Senior developer

April 2006 - October 2013 (7 years and 7 months). Madrid, Spain.

- **Passenger Area Station Management Platform:** Analysis and implementation of platform with Symfony and JS, backend and frontend.
- **System Manager:** Analysis and development of new features, application maintenance and management of 632 Lancell Terminals with PDAs distributed across Spain. Remote maintenance and support of 26 servers.
- **Sales System Migration:** Migration of systems and applications to Visual Studio 2005 C++ MFC Windows Mobile. Development of PDA and C++ server applications. Technologies: Thermal printer, Barcode reader, GPRS, WIFI, Bluetooth, Magnetic stripe reader/writer, MIFARE card.
- **Computer systems and networks:** Administration and maintenance.

## Utopia S.L. | Computer Systems Technician

January 2000 - December 2005 (6 years). Madrid, Spain.

- **Computer systems and networks:** Administration and maintenance.
- **Development** of Aula Virtual website for Community of Madrid.

# Training delivery

- **AI Saturdays:** Conducting AI Deep Learning classes for 10 students (3 days).
- **Inmune Technology:** Organizing AI Hackathon. 70 attendees (1 day).
- **Vocento:** Conducting training on microservices,DDD, hexagonal architecture, SOLID, TDD, phpunit, best development practices, clean Javascript, Golang, back-end and front-end projects for 15 people (20 days).
- **Vocento:** Training for Vocento IT development team: WebMasters ABC.es, PPLL, user team: Integration of user systems, APPs, implementation of solutions with SAP Gigya for 40 attendees (5 days).
- **Junta Castilla:** Redmine project management. 30 attendees (1 day).
- **Renfe:** Training on Verta Sales System for 30 attendees (2 days).

# Computer skills (very high / high level)

- **Programming languages:** C, C++, Google Golang, Dart, PHP, Javascript, Python, Java, Visual Basic, Pascal, Assembler, SQL, HTML, CSS, Twig.
- **Frameworks:** C++ MFC, Google Flutter, Symfony, ORM, ODM Doctrine, React, jQuery, Express JS, Astro JS, Fastify JS, Jest, Mocha, Ionic, Falcon, FastAPI, PHPUnit, Codeception, Selenium, Microsoft Playwright.
- **Frontend:** Redux, React Context, Hooks, Webpack, Babel, ESLint, PageSpeed.
- **Software architecture and quality:** Microservices, Hexagonal Architecture,DDD, EDD, SOLID, TDD, Cleancode, MVC, Rest, gRPC, OpenAPI.
- **Databases:** MySQL, Redis, MongoDB, PostgreSQL, Oracle, Qdrant.
- **Cloud and devops:** Google Cloud, Google Analytics, Docker, Kubernetes, GIT, GitHub, Bitbucket, Jenkins, Kibana, Ansible, Postman, Artillery, JMeter.
- **Web servers:** Nginx, Apache, NodeJS, IIS, Memcached, APC cache.
- **Artificial Intelligence:** ML, DL, classifiers, images, series, NLP, GANs, RAG, Pytorch, TensorFlow, Fast.ai, LangChain, LlamaIndex, Haystack AI, OpenAI API, Google Vertex API, LLM prompt engineering.
- **AI services:** OpenAI GPT-4, Whisper, DALL-E, Anthropic Claude, Mistral, Meta Llama, StableDiffusion, Runaway, HeyGen, Tldv, Krisp, Uizard.
- **Platforms:** SAP, Gigya, Evolok, NewRelic, JIRA, Confluence, Slack, BrowserStack, Trello, Prestashop, Wordpress, Joomla, OpenKM, Canva.
- **Security:** BackTrack, Metasploit, Nessus, nmap, Wireshark, Comodo.
- **Others:** Network admin and high-performance computing, overclocking.