

# Luis Miguel García

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<https://github.com/ktecho/>



## WORK EXPERIENCE

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### September 2022 – April 2024 – Senior Software Developer at Plebeian Market

Working to improve the current application for the most used marketplace in the Bitcoin space, and then migrating it to Nostr (nip-15 - NostrMarket) and adding other features like the Shopping Cart, Lightning payments or Private Messages.

Stack: Svelte + TailwindCSS + Python + PostgreSQL + Nostr.

### January 2020 - March 2022 – Senior Software Engineer at LeanXcale

- Building the application that enables the “cloud” part of the product (Database as a Service), automating the deployment of LeanXcale components to the cloud for use by customers. It is built using the UserFrosting PHP framework and integrations with the following third-party services:
  - AWS (EC2, S3, Route53, IAM).
  - Stripe
  - Prometheus / Alertmanager
  - MailChimp
  - Zendesk
- Infrastructure provisioning with Packer + Terraform.
- Continuous integration with Gitlab CI / CD.
- Creation of the product's Documentation Portal using the site generator Antora.
- Design, implementation and documentation of the public Cloud API

### 2008 - 2019 – CEO at Ktecho Consulting

Founder of an IT consulting firm, performing management, finance, accounting, human resources (up to 4 employees), sales and various types of technical tasks during the following projects:

- **2008 - 2014: Product Owner / Scrum Master at National Bank of Spain** - Product Owner / Scrum Master in a team of 6 people for the stabilization, evolution and support of a DevOps platform used to manage the infrastructure, automate the delivery of software from different technologies and analyze the quality of the code
  - Functional requirements capture meetings
  - Task definition (backlog creation) and ordering by importance for the business
  - Sprint Planning: team estimation of the effort required to complete each task and task selection for the next Sprint
  - Daily Scrum celebration
  - Sprint Review to verify the status of the tasks finished on the Sprint
  - Creation of Roadmap of deliveries in collaboration with the customer
  - Ensuring compliance with SLAs
- **2014 - 2017: CEO / CTO at Aalquilar.es**, a startup specialized in rental tenants
  - Creation of web application based on WordPress (Bootstrap, PHP 7, MySQL) and mobile apps (native WebViews)
  - Online and offline marketing campaigns + A/B test for landings and new features in the app
  - Infrastructure set-up (Ubuntu VM on top of Proxmox)
  - Scrapping with PhantomJS to import ads from other real estate portals
  - Interviews with potential customers (real estate agents, real estate asset managers, ...)
  - Interviews with potential Marketing and Business Development partners

- **2010 - 2019:** Creation and maintenance of virtual machines and containers on a dedicated Proxmox server to serve both customers and internal projects
- **2011:** Adaptation to the customer's functional requirements of the open-source software Xibo (Digital Signage) for deployment in Caprabo supermarkets
- **2012:** Founder of social startup Voty: an app to launch questions to your network of contacts and collect the answers and comments about them (Appcelerator Titanium in the frontend and PHP + MySQL in the backend)
- **2013:** Creation of 5 e-commerce stores Juguetepia.com, Regalopia.com, RelojesBaratos.org, Cunas.net and CarritosySillas.es as Amazon affiliates, including navigation optimization with Google Analytics, creation of campaigns in Google AdWords and A/B tests
- **2014:** .NET / Oracle integration for PL / SQL to COM gateway for Blinker / TNT Express
- **2017:** IoT research work with Clarive Software, deploying software on a Samsung smartwatch, a Raspberry Pi and controlling a Roomba vacuum cleaner
- **2018:** Integration of Bluetooth heart rate monitors with a web app using Web Bluetooth API for Fitnatura
- **2018 - 2019:** Design and development of issue management system (PHP + MySQL) for real estate developer Activitas
- **2018 - 2019:** Software development with Laravel + Vue.js framework on Docker environment for Casalogic A / S
- **2018 - 2019:** Technical advisor to electric car chargers' company Cargacoches.com

#### **August 2007 - March 2008 – Team Leader** at HP / Telefónica

Coordinator of the team for the creation of the New Services Administration Tool of Telefónica, designing each part of the system and looking for the most appropriate solution, as well as reviewing and centralizing the team's work to verify that it conformed to the specifications.

#### **January 2006 - August 2007 – Analyst / J2EE Developer** at HP / Telefónica

*Telefónica Video Supervision* is a video surveillance system using IP cameras and based on a distributed system of JBoss / WebLogic servers and Helix video streaming servers.

- Image Capture programming using Java JNI to embed the C++ video capture library.
- Implementation of HP ServiceGuard to ensure high availability of the service.
- Creation of automatic configurator of IP cameras for the Telefónica network.
- HP StorageWorks disk array set-up and maintenance.
- Implementation of the Quantum StorNext parallel access file system driver.
- Since January 2007, leading a group of 4 people distributing workloads and coordinating the resolution of incidents.

#### **September - December 2005 – Software / Hardware Technician** at SIPEC / Caprabo

- Performing **night migrations** of a group of **servers and clients from MS-DOS to Linux** (RHEL) in limited time before the opening time, for the food distribution company Caprabo.

#### **March 2004 - July 2005 – Developer** at ANELI

- **CMS** development for ANELI (oil sector company) web portal using PHP and MySQL.

#### **January - March 2004 – Hosting Architect** at Costa Norte Telecom S.L. (Bilbao)

- Building and managing a web / email / ftp hosting server (Gentoo Linux) using commodity hardware for a newly created web services company.

#### **1996 - 2003 – IT Manager** at Tele-Max Guardo S.L.

- Design and coding of a Commercial Management application (customers, suppliers, items, invoices, stock reports, etc.) in Clipper language.
- Assembly and management of a LAN network of Windows 98 and NT computers.
- Assembly and repair of computers and software installation for retail computer sales store.

## **EDUCATION AND CERTIFICATES**

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- Currently: Creating [Resurrection Wallet](#), a desktop frontend for phoenixd
- Currently: "Bitcoin Script (make your first bitcoin smart contract)" by SuperTestnet
- 2024 - "Bitcoin Developer Basics 01: Transactions, Scripts + SegWit" by base58
- 2022 - Chaincode Labs Online Bitcoin Seminar
- 2018 - Course "Building blocks of **Express.js**"
- 2003 - Certificate **Specialist in Programmed Microelectronics Applications** at Deusto University.
- 2003 - **Technical Engineer in Management Computing** at Deusto University.

## ADDITIONAL INFORMATION

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- Active member of the open-source Bitcoin community, contributing to projects like Raspibltz, Zeus, Polar, mempool.space, or BitKit. In the past, also contributing to other open-source projects like KDE (bug reporting), the aMSN instant messenger (translations, bug reporting and alpha/beta testing), and the Linux kernel (creating a patch for a device driver).
- Native Spanish with a high level of English.
- Knowledge in business administration, startup bootstrapping, accounting, finance, taxes, markets, ...