

Miguel Ángel López Hernández

Free and Open Source Software/Hardware enthusiast, advocate and developer

About

Experienced, proactive, problem solver, team player, but above all, continuous and passionate learner of emerging technologies...and life.

Contact

📍 México

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Languages

Spanish (native)
English

Programming

Python, PHP, C, Perl,
Java, JavaScript,
TypeScript, R, C#, Dart,
Go, Rust, Shell
Scripting, HTML, CSS,
L^AT_EX

Interests

I'm currently very interested and involved in **Machine Learning** and **Data Science** and its application in various fields.

"Maybe I don't know it yet, but you can be sure, I'll learn it."

Experience

- Since 2019 **Senior Free & Open Source Software Architect** Softtek - Digital Architecture
Design of IT Architectures for optimization of resources and migration to the Cloud in the financial, health, automotive, courier/parcel and logistics sectors, among others.
- Since 1997 **Managing Director** GULEV Free & Open Source Software/Hardware AC
I organized the **first-ever Free Software conference in Mexico**, the GULEV Congreso GNU/Linux 2001  and all those that followed  Member of the **GNOME Foundation** and the **GNOME Project**  for many years and a **pioneer in the use and development of Free and Open Source Software in Mexico**.
- Since 1992 **Software Developer/CTO** LG Internet Solutions
I have been developing projects for more than 28 years, **particularly with Free & Open Source Software for the last 26 years**. I created a **Linux distribution (LGIS GNU/Linux)** , which included the latest security updates released by RedHat and the **Ximian Desktop**  with the support of Nat Friedman  now CEO at GitHub. I have also developed solutions with **Free & Open Source Hardware**.

Technical skills

Cloud/DevOps

AWS, Azure, GCP, Docker, Kubernetes, Terraform, Rancher, Proxmox, Ansible, Jenkins, Git, Fluentd, Prometheus, Grafana.

Operating Systems

🐧 Linux (Debian/RedHat/ArchLinux & derivatives), 🍏 BSD (FreeBSD, OpenBSD), 🍏 macOS, 🖥️ windows.

DBMS

PostgreSQL, MySQL/MariaDB, SQL Server, Sybase, Oracle, NoSQL (MongoDB/CouchDB/CouchBase).

Mobile Development (Native/Hybrid)

Kotlin, Flutter, React Native, Java, Swift, Ionic, PhoneGap, Apache Cordova.

API Dev/A&A

REST, GraphQL, JWT, OAuth, Keycloak, WS02.

Various

Node.js, Django, Flask, Sencha Ext JS, Angular, Vue.js, PHP Frameworks, Drupal, Odoo, TensorFlow, Pandas, OpenCV, Asterisk & Derivatives.

Education

- 2018-Present **Bachelor's of Applied Technology** BYU Idaho - BYU Pathway Worldwide
- 1990-1994 **Bachelor's of Computer Science** Universidad Veracruzana