

Luis Ángel González Hernández

Backend Developer · AI Engineer · Automation Engineer

Email: luisgnzhdz@gmail.com | GitHub: github.com/LuisGH28 | Portfolio: luigidev28.netlify.app

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PROFESSIONAL SUMMARY

Systems Engineer and Computer Science master's student specializing in Artificial Intelligence, combining a strong technical, ethical, and legal foundation. Currently working as a Backend Developer at YoloPago, building distributed microservices using Java Spring Boot, Kafka, and SQL. Experienced in automation with Python, Bash, and Kotlin mobile integrations. Creator of “Finanzas con Michis” (Flutter-based finance app with AI) and “AI Git Assistant” (intelligent commit CLI). Passionate about continuous learning, applied AI, free software, and the intersection between technology and digital law.

EXPERIENCE

Backend & Automation Developer — YoloPago (Remote, Mexico)

Dec 2024 – Present

- Built microservices with Java Spring Boot for contract, terminals, and payment flows in a Kafka-based distributed architecture.
- Automated log analysis and CSV report generation with Python and Shell, improving incident tracking efficiency.
- Configured Linux servers and developer environments ensuring stability, security, and controlled deployments.
- Developed Kotlin mobile modules for pre/post-authorization transaction flows.

Network & Automation Engineer — SAT (Servicio de Administración Tributaria, Mexico) Feb 2024 – Aug 2024

- Planned and supervised network infrastructure for regional sites, ensuring optimal performance and coverage.
- Automated operational processes with Shell/Batch scripts, reducing manual execution time.
- Authored technical manuals and standardized process documentation; trained staff in Linux administration.
- Designed contingency plans for Linux servers to ensure recovery and business continuity.

AI Researcher & Developer — UAEMex High-Performance Computing Lab Nov 2022 – Mar 2025

- Implemented ANNs and CNNs for the Optical Digits dataset achieving >90% accuracy.
- Researched incremental learning to adapt to new data without full retraining.
- Administered Ubuntu Server/Apache environments for high-availability AI experiments.
- Presented findings at the 14th UAEMex Research Colloquium.

SELECTED PROJECTS

Finanzas con Michis — Flutter, Dart, SQLite (Planned: Firebase & AI)

Mobile app for personal finance management (cat-themed), with intuitive expense tracking and planned AI insights for spending habits.

AI Git Assistant — Python CLI

Command-line tool using ML heuristics to suggest intelligent Git commit messages from staged files and branch context.

Chat App — Kotlin, Firebase Firestore, Authentication

Real-time messaging app with Google/email authentication and synced conversations.

EDUCATION

M.Sc. in Computer Science — UAEMex (Expected 2027)

Research in Artificial Intelligence and Incremental Learning.

LL.B. in Digital Law — Universidad Tres Culturas (Expected 2028)

Focus on Digital Law, Ethics, and Intellectual Property.

B.Eng. in Systems and Communications — UAEMex (2024)

Professional ID: 14529351.

TECHNICAL SKILLS

Languages: Java, Python, Kotlin, Dart, JavaScript, C, C++, Bash

Frameworks: Spring Boot, TensorFlow, Keras, Flask

Databases: MySQL, PostgreSQL, SQLite, Firebase

Tools: Git, Docker, Kafka, Linux, VS Code, Android Studio

Cloud: Microsoft Azure (Certified AZ-900)

SOFT SKILLS

Creativity, Analytical Thinking, Adaptability, Teamwork, Communication, Time Management, Autonomy, Patience

— *Luis Ángel González Hernández* / Remote CV —