Mario Enrique Ramírez Gallardo

Software Developer | Full Stack Jr

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ABOUT ME

Software Developer with a background in Computer Engineering and a Linux-native environment. Specialized in Full-Stack Web Development and AI model integration. Focused on building robust and scalable solutions, complementing my profile with active participation in hackathons and continuous learning in DevOps methodologies and Machine Learning.

PROFESSIONAL EXPERIENCE

Teteocan Technologies • *Software Developer Jr.*   **Apr 2025 – Sept 2025**

Cross-platform mobile application development using **Flutter** and **Dart**, prioritizing user experience. Implementation of backend services, secure authentication, and real-time databases with **Firebase**. Active collaboration in the development lifecycle, ensuring quality and performance through testing and continuous optimization.

FEATURED PROJECTS

Agenda AI   *Next.js, TypeScript, Gemini API, Docker, Prisma*

Full-Stack Web Application for task management integrating **generative AI** to optimize personal organization. Features a robust architecture based on REST APIs and efficient data management with Prisma ORM.

Añi Ita (NASA Space Apps)   *Python, React, Geospatial Data*

Platform for soil regeneration and pollinator conservation. Integrates interactive flora maps, 3D habitat design ("Pollinator Islands"), and predictive AI models to evaluate reforestation success.

Haskell ML Cat   *Haskell, Python, Hasktorch, IPC*

Benchmarking system for computer vision. Performs performance comparison between classical models (KNN in Haskell) and Deep Learning. Complex process interconnection between functional backend and GUI.

Cafeteria System   *PHP, MySQL, JavaScript*

Web application for comprehensive management of inventory, sales, and orders. Relational database design and optimization for supply control and cash flow.

ACHIEVEMENTS AND AWARDS

Top 5 Global – Bolt x MiniMax VIBE HACKERS   **2025**

Solo development of "Polli Vision", a computer vision MVP for species identification completed in 48h.

Local Winner – NASA Space Apps Challenge   **2024**

4th place with project "Cozobi", designing web solutions with geospatial data for agricultural optimization.

SKILLS

Languages: Python, C/C++, Java, JavaScript/TypeScript, SQL, Haskell, Dart, Bash.
Web & Mobile: React, Next.js, Flutter, HTML/CSS, PHP, Spring Boot, Tailwind CSS.
Tools: Linux, Docker, Git/GitHub, Neovim.
Soft Skills: Problem-solving, Teamwork, Effective communication, Adaptability.

EDUCATION AND CERTIFICATIONS

Universidad Tecnológica de la Mixteca   *Computer Engineering (8th Semester)*
Oracle Cloud Infrastructure (OCI)   *Foundations Associate 2025 (Jul 2025)*
Oracle Next Education   *Back-end Specialization (Alura)*