

FRANCISCO MACKINNON

FULLSTACK DEVELOPER

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 [Profile](#)  [FranMack](#)

ABOUT ME

Full Stack Developer specialized in the JavaScript ecosystem, currently focused on frontend development and integration with generative AI technologies. My background as a Civil Engineer complements my technical profile with a strong analytical and problem-solving mindset. I consider myself a self-taught, proactive professional with a strong commitment to continuous learning and building impactful solutions.

EXPERIENCE

Mercado Libre - Frontend Developer

Nov 2025 - Present

- Development of interfaces for conversational agent creation and management platforms.
- Frontend integration with AI systems (RAG, MCPs, and Google tools).
- Implementation of features focused on automation and user experience enhancement.
- Creation of proof of concepts and prototypes for new features.
- Debugging, maintenance, and performance optimization tasks.
- Development of UX/UI proposals.

Business Up - Fullstack Developer

Mar 2025 - Oct 2025

- Contributed to the development of conversational AI solutions for automated customer support via WhatsApp using Express and the OpenAI API.
- Creation of landing pages and proof-of-concept projects.
- Debugging, maintenance, and system improvement tasks.

ZMdevs - Co-Founder & Full-Stack Developer

Mar 2024 - Jan 2026

- Web development consultancy focused on designing and building custom digital solutions. (zmdevs.com)
- Participated in the full development lifecycle, including web applications, e-commerce platforms, landing pages, and chatbots, adapting each solution to client needs.

Plataforma 5 – JavaScript Tutor

Sep 2023 - Dec 2023

- Provided technical and personalized mentoring to full stack web development students.
- Guided hands-on practice sessions, led Q&A and review sessions, and monitored student progress through code reviews while promoting best practices.
- Acted as Project Manager for final projects, leading teams to ensure objectives were delivered on time and according to requirements.

CRUCE – Professional Internship

Sep 2023 - Dec 2023

- Developed a full stack application focused on last-mile delivery companies.
- Worked on both frontend (Next.js) and backend (Express), including API development, routes, controllers, and business logic implementation.
- Built interfaces for delivery drivers, admin dashboards, and real-time delivery tracking and monitoring systems.

Globant – Professional Internship

Jul 2023 - Aug 2023

- Mobile-first full-stack application designed to streamline the reporting of workplace equipment issues.
- Features include geolocation services to identify the user's location and a TensorFlow-trained machine learning model capable of recognizing objects through the device's camera. The application enables employees to quickly and accurately report problems or damages within their work environment.

CEMYC SRL – Construction Site Manager

Nov 2019 - Jan 2023

- General construction site coordination, logistics planning, workforce management, progress tracking, and certification control.
- Quantity takeoffs, budget preparation, coordination with suppliers and contractors, and technical supervision to ensure compliance with deadlines, quality standards, and regulations.

EDUCATION

Courses

- Docker: Practical Guide for Developers (Udemy – 2026)
- OpenAI: Practical Exercises and Assistants with React + Nest (Udemy – 2025)
- NestJS: Scalable Backend Development with Node.js (Udemy – 2025)
- Design Patterns: Practical and Efficient Solutions (Udemy – 2025)
- SOLID Principles and Clean Code (Udemy – 2025)
- React Pro: Taking Your Fundamentals to the Next Level (Udemy – 2025)
- Next.js: The React Framework for Production (Udemy – 2024)
- React: From Zero to Expert (Udemy – 2024)
- SQL from Scratch: Practical Guide with PostgreSQL (Udemy – 2024)
- Node.js: From Zero to Expert (Udemy – 2024)

Plataforma 5

May 2023 - Sep 2023

Intensive 4-month program (800 hours) focused on the PERN stack (PostgreSQL, Express, React, Node.js). Hands-on training in web development, with an emphasis on modern JavaScript, agile methodologies, and teamwork.

UTN FACULTAD REGIONAL SANTA FE

Mar 2008 - Mar 2018

Civil Engineering

TECHNICAL SKILLS

Languages

Javascript - Typescript

Backend

Node.js, Express.js, NestJS, JWT, Passport.js, PostgreSQL, MongoDB, OpenAI

Frontend

React, Next.js, Redux, MUI, Tailwind, HTML, CSS, TanStack Query

Other

Git, GitHub, Trello, SCRUM, Jest, Postman, Docker, Claude Code

LANGUAGES

Spanish

Native

English

Intermediate (B2)

PROJECTS

Nutriendo la vida - (nutriendolavida.fit)

- Website developed for a nutrition professional using React and Express.
- Online sales of nutrition plans and eBooks with integrated Mercado Pago checkout.
- Interactive quiz to recommend the ideal plan based on the user's goals.
- Automated email delivery, including forms and attached eBooks.

X3-Safety - (x3safety.com)

- Website developed in Next.js for an industrial tools company.
- Filterable product catalog with product pages including images, descriptions, videos, and downloadable PDF catalogs.
- Contact form with email delivery integration using Nodemailer.
- Virtual assistant powered by RAG, enabling semantic queries with OpenAI over vectorized information stored in MongoDB.

Lovelía - (lovelia.me)

- Full stack e-commerce platform for astrology and meditation, developed with React, Express, and MongoDB.
- Online sales of personalized physical and digital talismans based on astrological data.
- User-focused features including a blog, guided meditations, chatbot, 3D natal chart visualization, and self-discovery tools.
- Administration panel for managing products, users, and orders.
- Integrated checkout with Mercado Pago and PayPal, along with JWT-based authentication.
- Integration with shipping APIs such as DHL and Zipin.