

Felix Avalos

Software Engineer

Email: felavalosg@gmail.com

Phone: +52 312 180 0787

LinkedIn: [félixavalos](#)

GitHub: [FelixAva](#)

Website: [Portfolio](#)

SUMMARY

Software Engineer specializing in Front-End and Mobile Development with expertise in React Native, JavaScript, TypeScript, HTML, and CSS. Experienced in building scalable applications for Android and iOS, integrating APIs.

Successfully completed the ANUIES4MX challenge, securing a spot in the EMFUTECH program of MIRAI 2025 in Osaka, Japan to expand expertise in AI-driven applications and emerging technologies. Passionate about clean architecture, performance optimization, and intuitive UI/UX design.

EDUCATION

B.S. in Software Engineering | Universidad de Colima.

Expected graduation: 2026

Relevant courses: Data Structures, Algorithms, Software Development, Database Systems, Web Programming, Advanced Databases, Big Data, Human-Computer Interaction, Object-Oriented Programming.

EXPERIENCE

Emergent Future Technologies Internship

MIRAI Innovation Internship | Osaka, Japan | March 2025 – May 2025

Professional placement in Japan | Computer Vision & Robotics

- Developed an industrial-waste classification system using computer vision and robotics.
- Implemented pre-trained models to identify and categorize various materials.
- Programmed a robotic arm and created a teleoperation interface for remote control.
- Delivered technical presentations and live demonstrations to students, explaining AI, computer-vision, and robotics concepts.

Technologies: Python, TypeScript, React, Firebase

PROJECTS

EDUCAPP

ANUIES4MX | Valle de Bravo, Mexico | January 2025

Project presented at ANUIES4MX (internship to Japan)

- Generated personalized forms using the OpenAI API
- Built a mobile app to display and manage and manage assessments
- Implemented dynamic form components

Technologies: TypeScript, React Native, OpenAI API

Music App

Personal Project | November 2024

Mobile application with authentication and API Consumption (Last.fm)

- Retrieved musical data (artists and details) from an external API
- Validated Login and registration forms
- Managed user sessions with local storage

Technologies: TypeScript, React Native, Zustand, React Hook Forms, Axios, TanStack Query

LANGUAGES

English – B2

Spanish – Native

COURSES & CERTIFICATIONS

EMFUTECH | Osaka, Japan

March 2025 – May 2025

Full scholarship to participate in an intensive program in Japan focused on emerging technologies such as AI, machine learning, and IoT.

ANUIES4MX Challenge | Valle de Bravo, México

January 2025

National hackathon focused on education and technology. Selected project earned a full scholarship to join the EMFUTECH program in Japan.

BrightCoders, MagmaLabs

December 2023 – May 2024

Intensive React Native bootcamp focused on cross-platform mobile application development.

TECHNOLOGIES

Programming Languages:

Python, TypeScript, JavaScript, HTML y CSS

Frameworks & Tools:

React, React Native, Git, Firebase y Supabase, Figma