Fernando Haro Calvo

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Fullstack Software Engineer with 2+ years of experience building scalable web applications. Skilled in **React**, **Node.js**, **TypeScript**, and cloud technologies. Seeking a part-time fullstack internship to apply and expand my skills in real-world, user-focused projects.

EDUCATION

Universidad Autónoma de Baja California — Ensenada, BC
Software and Emerging Technologies Engineer, Current Average: 9.6 — *Aug 2022 – Jun 2026*

EXPERIENCE

Tech4Good Research Lab — Ensenada, BC
Fullstack Developer Intern | React Native, Supabase, Node.js — *Mar 2025 – Present*

- Developing a **React Native** app to support caregivers and adults with Autism Spectrum Disorder (ASD) by providing access to resources, screening questionnaires, and connections to local professionals.
- Integrated **Supabase** for secure authentication, user management, and real-time database operations.
- Wrote technical documentation and participated in code reviews to maintain high code quality.

PROJECTS

Awita | *React, NestJS, MySQL, AWS, Arduino* — Jan 2025 – Present

- Designed and developed a fullstack IoT platform enabling households in water-scarce regions to monitor and optimize water usage in real time.
- Built a responsive dashboard using **React** and **TypeScript** with live data visualizations, historical trends, and predictive analytics using LSTM models.
- Engineered a scalable backend with **NestJS** and **AWS Lambda**, processing 1000+ daily sensor readings with 100ms average latency.

Estilist | *React, Django REST, PostgreSQL, Azure, Docker* — Sep 2024 – Dec 2024

- Led a cross-functional team of 5 to deliver a style recommendation platform that suggests clothing and accessories based on user preferences and colorimetry analysis.
- Built a responsive frontend in **React** and implemented backend APIs with **Django REST** and **PostgreSQL**.
- Integrated an image processing module for face shape and colorimetry, achieving 90% accuracy in style matching.

ACTIVITIES

Competitive Programming Club Co-Leader — Oct 2024 – Present

- Led weekly programming workshops for 30+ students.
- Created educational videos focused on algorithmic problem-solving.

Elegis-Tech 3 Hackathon — Honorable Mention — Mar 2025

- Received honorable mention among 100+ teams for developing LegisConnect, a platform bridging citizens and legislators using **Next.js**, **TailwindCSS**, and **Python** web scraping.

TECHNICAL SKILLS

Frontend: React, Next.js, TypeScript, TailwindCSS, Astro

Backend: Node.js, NestJS, Django REST, FastAPI

Database: PostgreSQL, MySQL, Supabase

Cloud & DevOps: AWS, Azure, Docker

Programming Languages: JavaScript, TypeScript, Python, C#, C++

Languages: Spanish (Native), English (Advanced, B2)