

# Jesús Enrique Buelna Servín

## Fullstack Developer

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Results-oriented Fullstack Developer with a strong focus on Next.js and Clean Architecture. Proven experience delivering production-grade software, including a student management SaaS currently optimizing processes for a high school. Skilled in building complex logic (matchmaking algorithms, real-time communication) and scalable front-end interfaces.

### Education

UNIVERSIDAD AUTONOMA DE SINALOA | Software engineering

Los Mochis, Sinaloa | July 2025

### Experience

#### Preparatory CU Mochis

Los Mochis, Sin

#### Software Development Consultant

August 2025 – Current

- **Identified a critical operational inefficiency** regarding the new student curriculum (100+ points tracking system) and proposed a custom digital solution to replace manual logging.
- **Designed and Developed a Fullstack SaaS platform** using **Next.js**, **Prisma ORM**, and **Neon (PostgreSQL)**, centralizing academic and extracurricular records for the entire student body.
- Implemented **Zustand** for complex state management and deployed the MVP on **Vercel**, currently in beta testing for active administration use.
- Reduced data retrieval time and eliminated human error in the points-tracking process through data normalization.

#### Hero Software

Los Mochis, Sin

#### Front End Software Developer

January 2025 – July 2025

- Developed high-performance landing pages using **Next.js**, ensuring 100% responsive design and SEO optimization.
- Collaborated with the design team to implement pixel-perfect UI components using **Tailwind CSS**.
- Optimized web vitals, improving page load speeds and user engagement for client marketing campaigns.

### Key Projects

#### ConnectMind – Interest-Based Social Network | *Node.js, Express, WebSockets, RTC*

- Engineered a complex **matchmaking algorithm** connecting users based on 3 distinct roles (Mentor, Explorer, Enthusiast) and weighted interest tags.
- Built a **Real-Time Messaging System** and Voice Rooms using **WebSockets (Socket.io)** and external RTC libraries, handling concurrent connections.
- Implemented a **Clean Architecture** on the backend to ensure scalability and code maintainability.
- Features included: Community groups, dynamic feeds based on user preferences, and an Admin Dashboard for user metrics and moderation.

### Technical Skills

- **Frontend:** JavaScript (ES6+), TypeScript, Next.js, React, Angular, Tailwind CSS, HTML5/CSS3.
- **Backend:** Node.js, Express, Prisma ORM, Firebase.
- **Database & Tools:** PostgreSQL (Neon), MySQL, Git/GitHub, Docker, Vercel, Figma.
- **Languages:** Spanish (Native), English (Professional Working Proficiency).