

# EDGAR EDUARDO VEGA RUIZ

Full Stack Software Engineer | React & TypeScript | Backend  
(.NET / NestJS)

*Full Stack Software Engineer with 2+ years of experience developing scalable applications and systems for national and international projects.*

*Specialized in React, NestJS, and distributed/event-driven architectures, with hands-on experience in microservices, REST APIs, RabbitMQ, Docker, AWS, and CI/CD pipelines using GitHub Actions.*

*Led technical teams and developed internal tools focused on automation and productivity, including AI-powered solutions for automated technical documentation generation and development workflow optimization.*

## EXPERIENCE

### FULL STACK DEVELOPER (REMOTE)

February 2025 - March 2026

Tecnologías Intech (remote)

- Improved frontend development speed and project maintainability by approximately 25–35% by migrating Angular modules to React and standardizing reusable components for national and international applications.
- Increased new feature development efficiency by approximately 20–30% by implementing responsive interfaces and optimizing user flows using React, TypeScript, and Firebase.
- Reduced load times and unnecessary user interactions by approximately 20–40% by optimizing state management, rendering, and performance in highly interactive applications.
- Enhanced frontend-backend integration capabilities by developing features with NestJS and Firebase-centered services, improving scalability and maintainability across the ecosystem.
- Improved team delivery quality and technical collaboration, reducing operational friction by approximately 15–25% by developing internal tools to enhance technical documentation and workflow processes.
- Increased system stability and issue resolution speed by actively contributing to debugging, evolutionary maintenance, and incident resolution across multiple simultaneous projects.

### PROJECT LEAD & FULL STACK DEVELOPER

February 2024 - February 2025

SMACO

- Led the development of a software solution deployed internationally, increasing team delivery speed by approximately 25–35% by coordinating a team of 4 developers and driving technical decisions focused on scalability and maintainability.
- Improved system performance and scalability by approximately 30% by designing a microservices-based architecture and implementing NestJS, Docker, and RabbitMQ to decouple critical processes.
- Reduced backend service response times by approximately 20–40% by optimizing requests, refactoring internal workflows, and improving communication between distributed services.
- Increased system stability and reliability, reducing operational friction and improving fault tolerance by implementing architectural best practices and design patterns focused on long-term technical sustainability.
- Improved code maintainability and reduced new feature delivery time by approximately 20–30% by defining technical standards, modularizing components, and structuring the system for long-term growth.
- Accelerated cross-platform feature development by working with React, React Native, and .NET, reducing logic duplication across web and mobile applications.

### FULL STACK DEVELOPER

June 2023 - December 2023

Digiosoft

- Improved operational efficiency of accounting software by approximately 20–30% by developing new modules in PHP and JavaScript that streamlined administrative processes and expanded system functionality.
- Reduced issue resolution time by approximately 25% by performing corrective and evolutionary maintenance focused on platform stability and long-term technical sustainability.
- Improved system user experience, resulting in more intuitive navigation and reduced operational friction for internal users by optimizing UI/UX flows and refactoring existing interfaces.
- Reduced manual work in internal processes by approximately 15–25% by designing and implementing REST APIs for automation and system feature integration.
- Increased software maintainability, reflected in reduced technical rework and easier system extensibility by improving code structure and addressing technical debt in existing modules.

## FEATURED PROJECTS

### DOCUTALK

2025

📁 *Python, IA, Desktop, Documentation, Team*

Developed an AI-powered desktop application in Python that automated technical documentation generation from audio explanations of new features, bug fixes, and completed tasks, improving team productivity and reducing documentation overhead.

### PEAR (PRIVADO)

2024-2025

📁 *React Native, Microservices, .NET, RabbitMQ, Desktop, Mobile App*

Innovative desktop and mobile platform developed for a private-sector client. Contributed to microservices development and mobile application implementation, while leading a development team by assigning tasks, coordinating technical efforts, and designing and executing quality assurance testing for both individual and team deliverables.

### EVALUATIONS MANAGEMENT SYSTEM UAS (PRIVADO)

2025-2026

📁 *React, supabase*

Developed an institutional web platform for the Universidad Autónoma de Sinaloa focused on statewide evaluation management and academic process tracking. Built with React and Supabase, implementing file management, complex workflows, and support for high user concurrency.

### VETENVAN (PRIVADO)

2025-2026

📁 *React, React Native, NestJS, Firebase*

Contributed to the development of an enterprise-grade transportation management platform for van-based operations, developing both the mobile application and administrative dashboard. Built full-stack functionalities using React Native, NestJS, and Firebase, implementing complex operational workflows, real-time management tools, and reliable data synchronization.

## SKILLS

Frontend: React, React Native, Next.js, Redux, Single Page Applications (SPA), Responsive Design, React Hooks, TypeScript, JavaScript, HTML, CSS, State Management.

Backend: Node.js, NestJS, .NET, REST APIs, Microservices.

Databases: PostgreSQL, MySQL, MongoDB, Firebase.

Infrastructure: Docker, RabbitMQ, AWS.

Architecture: Event-Driven Architecture, Distributed Systems, Clean Architecture, SOLID Principles, TDD.

Tools: Git, GitHub, Agile Methodologies, Scrum, Jest, CI/CD.

## LANGUAGES

- English
- Spanish (native)

## FORMACIÓN

### SOFTWARE ENGINEER

2022 - 2026

Universidad Autónoma de Sinaloa