

KATHERINE SOFÍA DELGADO LÓPEZ

Technical Lead | Full Stack Developer

Managua, Nicaragua

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PROFESSIONAL SUMMARY

Full Stack Developer and Technical Lead with nearly 3 years of experience in the full software development lifecycle, specializing in the healthcare sector. Expert in **Ruby on Rails** and the **JavaScript/TypeScript ecosystem (React, Next.js)**, with a strong track record of transitioning into leadership roles. Advanced experience in implementing **DevOps (Docker, CI/CD)**, code review, and technical team management. Focused on software quality, critical system scalability, and delivery process optimization.

PROFESSIONAL EXPERIENCE

INSTITUTO NICARAGÜENSE DE SEGURIDAD SOCIAL (INSS) – Managua, Nicaragua

JavaScript Team Technical Lead | January 2026 – Present

Technical leadership and development lifecycle management for frontend and full stack projects.

- **Project Management & Leadership:** Lead the development team in executing projects using **Next.js** and **React**, ensuring strict compliance with client requirements and delivery deadlines.
- **QA & Code Review:** Established rigorous code review processes to guarantee **Clean Code** standards, maintainability, and optimal performance before deployment.
- **DevOps & CI/CD:** Design and maintain **GitLab CI/CD** pipeline stages, automating linting, building, and E2E testing tasks with **Cypress**.
- **Infrastructure & Containerization:** Responsible for creating and optimizing **Dockerfiles** to generate lightweight, secure, and scalable production images.

Ruby on Rails Full Stack Software Developer | May 2023 – December 2025

- **Critical Systems Development:** Developed and maintained the *Fleming Hospital Management System*, used nationwide.
- **Backend Engineering:** Implemented new backend features using **Ruby on Rails** and **PostgreSQL**, including the creation and optimization of complex SQL queries that improved system performance.

- **Frontend Development:** Created real-time dashboards using Ruby on Rails, React, and Next.js.
- **Code Improvement:** Refactored legacy code applying design patterns (MVC) and development best practices.
- **Reporting:** Generated analytical and operational reports using JasperReports/Jaspersoft.
- **Maintenance:** Resolved bugs and provided evolutionary support in production environments.

EDUCATION

Bachelor's Degree in Computer Engineering Universidad Nacional de Ingeniería | 2019 – 2024 (Graduate)

TECHNICAL SKILLS

- **Languages & Frameworks:** JavaScript, TypeScript, React.js, Next.js, Ruby, Ruby on Rails, Node.js, Express.js, Java, HTML5, CSS3, Tailwind CSS.
- **DevOps & Tools:** Docker, GitLab CI/CD, Git, GitHub.
- **Testing & QA:** Cypress, RSpec, Code Review.
- **Databases:** PostgreSQL, MySQL, SQL Server.
- **Methodologies:** MVC Architecture, RESTful APIs, Design Patterns, Scrum/Agile.

LANGUAGES

- **Spanish:** Native
- **English:** B2 – Versant English Placement Test (GSE)