

FRANCISCO MANUEL DÍAZ HERRERO

Industrial Engineer | Full Stack Developer | SAP ABAP/VIM Consultant

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PROFESSIONAL SUMMARY

Industrial Engineer and Full Stack Developer with experience in backend and frontend development, SAP ABAP/VIM consulting, and operational process optimization. I combine engineering, software, and technical analysis to build scalable digital solutions aligned with real business and industrial workflows. Strong problem-solving skills, experience working across DEV/QAS/PRD environments, and a solid understanding of process improvement and digitalization.

CORE COMPETENCIES

Software Development

- Full Stack Development (Next.js, React, Node.js, NestJS)
- Backend architecture with TypeScript
- REST APIs, authentication, roles, security
- Product-oriented UI development and minimalistic design
- MySQL, PostgreSQL, Docker, Nginx, Vercel

SAP ABAP/VIM

- Custom Z-functions, exits, rules, and validations
- Technical and functional analysis in FI/MM
- Debugging and resolving complex VIM workflows
- Support in DEV, QAS, and PRD environments

Industrial Engineering

- Process analysis and modeling
- Operational optimization and digitalization
- Workflow improvement and layout redesign
- OEE, time studies, productivity analysis
- Technical documentation and process standardization

TECHNICAL SKILLS

Languages: JavaScript, TypeScript, ABAP, Python, SQL

Backend: NestJS, Node.js, Express, TypeORM

Frontend: React, Next.js, Tailwind CSS

Databases: MySQL, PostgreSQL

Tools: Git, Docker, Postman, Vercel

LANGUAGES

Spanish: Native

English: Intermediate–Advanced (technical)

PROFESSIONAL EXPERIENCE

Group ITMIND

SAP ABAP/VIM Consultant | 2023 – Present

- Development of Z-functions, exits, and VIM automation logic.
- Fixing and improving FI/MM workflows and logic.
- Debugging document flows and implementing validations.
- Working directly with functional teams and clients to resolve complex cases.

Termoplástica San Rafael

Engineering and Digitalization | 2020 – Present

- Process assessment and operational optimization.
- Industrial layout redesign to improve workflow and efficiency.
- Backend development for internal product and process management systems.
- Creation of dashboards and operational KPIs.
- Technical documentation and continuous improvement initiatives.

Freelancer

Full Stack Developer and Technical Translator | 2022 – 2023

- Development of custom web applications and corporate websites.
- Technical translation (English ↔ Spanish) for engineering and software projects.
- Design and implementation of modern interfaces and user experiences.

PROJECTS

Datatrace – Industrial IoT traceability platform. Role: Backend and architecture.

ZeShop – Modular e-commerce platform with full admin panel. Role: Full Stack Developer.

SIMAI – Agro-climatic monitoring system integrating sensors and analytics. Role: Architecture and software development.

Freelance web projects – Huarpes IT, GAP Consultora, ALM Worship, Terrap watt, John Arthur Foster.

EDUCATION

Industrial Engineering

UTN San Rafael (in progress)

Technical Electrician

Completed