

DAVID JARAMILLO

Software Developer | Industrial Engineer

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PROFESSIONAL PROFILE

Software Developer and Industrial Engineer with a Technical Degree in Software Development, specializing in process automation and full-stack web application development. Hands-on experience with production projects combining modern frontend (React, JavaScript ES6+), serverless backend (Firebase), automation with Python and VBA, and ERP integration including SAP and Salesforce. Focused on transforming manual processes into efficient digital solutions with measurable impact.

TECHNICAL SKILLS

Frontend	HTML5, CSS3, JavaScript (ES6+), React 19, React Router, Tailwind CSS, Vite
Backend / BaaS	Firebase (Firestore, Storage, Auth), Python, Node.js
Automation	Python, VBA, Excel Macros, SAP + VBA, Automation Scripts
Databases	MySQL, Firebase Firestore, SQL
Languages	JavaScript, Python, VBA, C#, SQL, HTML/CSS
Tools	Git, GitHub, Visual Studio Code, Visual Studio, nginx, ESLint
ERP Integrations	SAP, Salesforce, Zendesk
Data Analysis	Power BI, Advanced Excel, pandas

HIGHLIGHTED PROJECTS

DeliStars — Live Food Delivery Platform

[React](#) · [Firebase](#) · [Tailwind CSS](#) · [nginx](#)

Full-stack web application for managing food delivery orders for a food store, deployed on a private server.

- Architecture with two independent modules: delivery platform and job portal, each with separate build and Vite deployment.
- Firebase Firestore with real-time listeners (onSnapshot) for instant order status updates without page reload.
- Differentiated role system: cashiers and delivery drivers, with custom views and permissions per profile.
- Firebase Storage for CV management in the job portal module (vacantes_postulantes collection).
- Deployed on Debian VPS with nginx, permission configuration and manual CI via SCP.
- Stack: React 19, JavaScript ES6+, Tailwind CSS, Firebase v12, React Router v7, Vite, date-fns, Lucide React.

Repository: github.com/Cdavid703/delistars

ProyectoCSharp — Student Management System

[C#](#) · [Windows Forms](#) · [MySQL](#) · [.NET 6](#)

Complete desktop application for student registration and administration with relational database.

- Full CRUD (Create, Read, Update, Delete) with MySQL database connection.
- Record export to Excel using the SpreadsheetLight library.
- Graphical interface with Windows Forms on .NET 6 Windows, designed for administrative use.

Repository: github.com/Cdavid703/ProyectoCSharp

JaraLingua — Language Learning Platform

[HTML5](#) · [CSS3](#) · [JavaScript](#) · [Python](#) · [nginx](#)

Interactive educational web platform for learning English and French with progressive content paths.

- Static site with modular structure by levels (basic and intermediate for English, Niveau 7 for French).

- Interactive activities, visual support images and dynamic practice sections.
- Includes integration with ElevenLabs API for audio features.
- Published in production: jaralingua.com. Optimized with sitemap.xml and robots.txt for SEO.

Repository: github.com/Cdavid703/jaralingua

SAP + VBA Automation — Repetitive Process Reduction

VBA · SAP · Excel · Python

Enterprise automation solution that eliminates manual tasks in SAP environments through VBA macros.

- Up to 90% reduction in time spent on repetitive reporting and data extraction tasks.
- 100% data quality in processed records, eliminating human errors.
- 40% reduction in report generation time through SAP + VBA integration.

ACADEMIC BACKGROUND

Industrial Engineering

Universidad San José | Colombia

Technical Degree in Software Development

Colombia

LANGUAGES

Spanish: Native | **French:** Advanced (C1) | **English:** Intermediate (B2)