

ROBERTO OMAR DAVIES

SYSTEMS ANALYST (UNIVERSITY DEGREE)

Functional Analysis | SQL & Data | Process Modeling | Business Rules | ERP

Trelew, Chubut, Argentina | +54 9 280 4322918 | roberto.davies@gmail.com

www.robertodavies.com.ar | linkedin.com/in/robertodavies

PROFESSIONAL SUMMARY

Systems Analyst with 20+ years of experience bridging business processes with data and technology solutions. Specialized in **databases (SQL/MySQL), functional and requirements analysis, and custom solution development** (PHP/Laravel, VBA, advanced Excel). Proven track record managing high-volume critical information (18,000+ components, 10,000+ customers) and leading projects end-to-end: requirements gathering, design, development, and deployment. Particularly interested in database administration and business/personnel administration processes, an area where I already have hands-on experience (payroll automation, personnel data management).

KEY COMPETENCIES

- **Functional & Process Analysis:** Gathering operational requirements, designing business rules, streamlining administrative workflows, and functional documentation.
- **Data Management & Quality:** Relational modeling, data extraction and validation, consistency control, and traceability of critical information.
- **Development & Automation:** Building custom management applications, automating operational tasks, and integrating existing systems.
- **Reporting & Decision Support:** Designing dashboards, extracting business KPIs, and operational reporting for management.
- **HR & Personnel Administration:** Payroll automation and functional experience in personnel management on legacy ERP systems.
- **Communication & Training:** Secondary-school teaching and corporate adult training (2005–2018), translating technical concepts for non-technical users.

PROFESSIONAL EXPERIENCE

Systems, Data & Process Analyst

2007 – Present

Almirante Zar Naval Air Workshop, Argentine Navy (19 years with the organization)

- Administer a **MySQL database** covering stock, work orders, maintenance, and traceability for **18,000+ critical components**.
- Developed and maintain the **web-based aircraft maintenance management system** (PHP/Laravel, JavaScript, SQL), used by 10+ daily users and 20+ consultants.
- Build **SQL queries and MySQL–Excel integrations** for extraction, validation, analysis, and reporting.
- Served as **functional advisor to the Civilian Personnel Office**, supporting personnel administration processes, in addition to Supply, Works Control, and Procurement.
- **Achievement:** centralized and automated manual processes, improving traceability, availability, and reporting turnaround.

Independent Consultant — Data & Solutions Development

2000 – Present

Main clients: Tiendas La Marina, Instituto IDES Trelew (20+ companies and 100+ individual clients)

- Started this practice while studying Systems Analysis (UNPSJB, 1999–2002), providing IT support and development to small businesses and individuals; continued it alongside my role at the Argentine Navy.
- For **IDES**: built a complementary **Access/VBA** solution on a legacy ERP to automate **payroll issuance** under new ARCA (tax authority) regulations, without modifying the original system — direct hands-on experience with HR processes on ERP platforms.
- For **Tiendas La Marina Trelew**: developed and maintain the **customer and credit management system** (10+ years, 10,000+ active customers, 1,000+ monthly sales), with SQL queries and controls for credit and collections.
- For **"La Marina" Store, Ushuaia**: SQL queries and controls on an existing ERP (purchasing, sales, stock, credit, collections) and Power BI dashboards for branch performance tracking.
- Design and administer MySQL databases for other business clients and maintain personal web solutions (robertodavies.com.ar and the Tiendas La Marina ecosystem). **Achievements:** process and reporting automation that reduced manual searches and reconciliation.

EDUCATION

- B.A. in Information Technology — Universidad Siglo 21 (in progress, expected completion 2027).
- Systems Analyst (University Degree) — Universidad Siglo 21 (2026).
- Technical-Vocational Secondary Education Teaching Degree — ISFD N° 808 (2013) · Electronics Technician — EPET N° 748 (1999).

TOOLS & TECHNOLOGIES

- **Data & BI:** SQL, MySQL, Microsoft Access, Power BI, advanced Microsoft Excel.
- **Development:** PHP, Laravel, JavaScript, HTML/CSS, REST APIs, VBA (Macros).
- **Analysis:** Functional requirements gathering, process modeling, business rules, functional testing.

LANGUAGES

Spanish: Native · English: B1 (Intermediate) — Universidad Siglo 21