Oswaldo Enrique González Suárez

Software Engineer | Full-Stack & Backend

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Status: Currently working at HP SCDS · Open to networking | **Languages:** Spanish (Native), English (Advanced)

Portfolio **LinkedIn** **GitHub**

PROFESSIONAL SUMMARY

Computer Engineer (USAL) currently working as a **Software Engineer at HP SCDS** (Big Data Solutions team) and pursuing an **M.Sc. in Data Science and Artificial Intelligence Applied to Engineering**. Specialized in backend development, scalable architectures, and AI-driven data solutions (**Go, Python, Java, microservices, SOA, Docker**). Proven track record taking complex systems from architecture design to production—spanning large-scale macro-data pipelines, full-stack applications (React, Next.js), and applied AI engines (RAG, Graph-RAG).

TECHNICAL SKILLS

- **Languages:** Go, Python, Java, PHP, C, SQL, R.
- **Frontend & Web:** React, Next.js, Tailwind CSS, Vite.
- **Backend & APIs:** Spring Boot, FastAPI, Yii2, Apache Camel, Enable Banking.
- **Data & AI:** Big Data, Data Normalization, ETL/ELT, RAG, Graph-RAG, Spark.
- **Databases & BaaS:** PostgreSQL, Supabase, MongoDB, Redis, MySQL.
- **Infrastructure & Core:** Docker, Linux (Advanced), Bash, Microservices, SOA, Git, CI/CD.

WORK EXPERIENCE

Software Engineer — Big Data Solutions, *HP SCDS* **Sept 2026 — Present**

- **AI-Integrated Solutions:** Developing scalable software solutions integrating Artificial Intelligence within the Big Data Solutions engineering team.
- **Macro-Data Engineering:** Designing and implementing automated workflows for the extraction, normalization, cross-linking, and utilization of high-volume macro-data that is infeasible to verify manually.

Junior Software Developer (Internship), *Serbatic* **Feb 2026 — Mar 2026**

- **Backend & QA:** Developed and customized corporate backend modules according to business requirements and executed unit test suites to ensure production stability.
- **Agile Methodologies:** Participated in Scrum sprints and daily stand-ups, managing incidents and tasks through Jira.

Freelance Web Developer **2026**

- **Corporate Web Platform (Flamenco Academy):** Designed and built an end-to-end responsive platform with **Next.js, Tailwind CSS, and Sanity CMS** enabling the client to autonomously manage class schedules and events.

FEATURED PROJECTS — live demos and details in portfolio

CommitCash — Automated Personal Finance & Open Banking **2026**

- **Read-Only Open Banking:** Built with **Python, Supabase, Tailwind CSS, and Enable Banking API** (deployed on Vercel) to securely fetch bank balances and transactions in strictly read-only mode.
- **Rule-Based Categorization:** Engineered an automated keyword-matching rule engine to classify expenses with zero manual entry, featuring payroll-cycle tracking with automatic payday detection and category breakdown charts.

"Cerebro Digital" App with HP SCDS (Bachelor's Thesis) **Jun 2026**

- **Full-Stack & Graph-RAG:** Developed a Markdown knowledge management app with **React, Go (Golang), and MongoDB**, implementing **RAG and a custom Graph-RAG engine** for advanced semantic analysis.

Management Platform (SOA & Microservices Architecture) **Academic**

- **Architecture & Queues:** Designed a **React + Vite** frontend and **Python FastAPI + PostgreSQL** backend, integrated via a **Spring Boot & Apache Camel** API Gateway with asynchronous PDF generation using **Redis and Celery**.

EDUCATION

M.Sc. in Data Science and Artificial Intelligence Applied to Engineering

University of Salamanca (USAL)

- **Specialization:** Machine Learning, Deep Learning, robust ETL/ELT data pipelines, and distributed Big Data storage/processing architectures (Python, R, SQL, Spark, NoSQL).

B.Sc. in Computer Science & Engineering (Information Systems)

University of Salamanca (USAL) - Zamora Campus

- **Achievement:** Awarded the USAL Academic Excellence Scholarship across all 4 years of the degree for high academic performance.