Francisco López Alonso

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Summary — SWE with 6 years of professional experience specialized in the development of distributed systems.

Skills

Cloud	Google Cloud Platform	**Programming**	Golang, TypeScript
Infra	Docker, Kubernetes	**Languages**	English, French, Spanish

Experience

Schneider Electric
Sept 2023 – Present
Nice, France

Senior Software Engineer - IIOT Edge System

- Designed and implemented an **event-driven alert system** for real time monitoring of device variables, enhancing client visibility and control over resource performance.
- Developed a **database size optimization** service for an alerting microservice, enabling cleanups through a FIFO approach.
- Designed and implemented a **database retention feature** for IoT data. When the database reaches 10GB, the system automatically archives **10%** of the oldest records by compressing them into ZIP files and storing them in archived storage.
- Established a **MQTT topic interface** for a Publisher-Subscriber communication, reducing network load by nearly **50%** compared to the previous REST-based solution.
- Delivered a **frontend link management capability**, enabling resource identification across microfrontends and improving user experience, in direct response to customer UX requirements.
- Technical support for a team of three developers and two E2E testers.

Symphony Communications
Apr 2022 – Sep 2023
Sophia Antipolis, France

Software Engineer II (SWE) - Banking Communication Service

- Enhanced **user experience** with a link expansion service in the primary chat system.
- Automated **Jenkins CI/CD pipelines**, optimizing deployment processes.
- Delivered more than 10 **product demonstrations**, driving client adoption.
- Engineered a **financial data ingestion service** for real-time product integration.
- Monitored and patched security vulnerabilities with SNYK for continuous protection.
- Improved common libraries, reducing development time and accelerating release cycles.

Cubica Comunicacion
Feb 2020 – Mar 2022
Vigo, Spain

Software Developer

- Accomplished a **30% increase in booking efficiency** by developing and optimizing a travel reservation platform (acording to company metrics).
- Accomplished a 25% reduction in invoice processing time by automating email notifications, PDF generation, and client tracking, as reported by internal audit results.
- Accomplished enhanced data-driven decision-making by creating **Grafana dashboards** from customer purchase data, as reported by business analytics.

Certifications

- **Google Cloud Engineer Associate** *Issued: 2025*
- **Google Cloud Digital Leader** *Issued: 2024*
- **Symphony Certified Developer** *Issued: 2022*

Education

Double Major
- *Bachelor of Computer Engineering at University of Vigo*
  Minors: Cloud Computing;
- *Bachelor of Business Management at University of Vigo*
  Minors: Banking and Fractional Reserve;