Ferran Sidera Sola

Software Engineer

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Summary

Software Engineer at Sage building backend services and cloud infrastructure for a 60M+ EUR annual revenue product. Experienced shipping production computer vision and predictive maintenance ML pipelines, as well as operating independent commercial software end-to-end.

Experience

Sage — Barcelona, Spain

Software Engineer — Jun 2026 – Present

- Develop and maintain C# / .NET backend services on a 12-engineer team for a core product generating 60M+ EUR in annual revenue.
- Manage Azure cloud infrastructure and CI/CD release pipelines to improve deployment reliability and delivery cadence.

Engisoft — Spain

Software Engineering Intern — Feb 2026 – May 2026

- Built production Python computer vision pipelines for industrial quality control, training anomaly models solely on defect-free samples to flag deviations in real time.
- Developed and deployed classification and regression models for predictive maintenance on live IoT sensor streams, iterating directly with plant operators.

Schneider Electric — Spain

Software Engineering Intern — Jul 2025 – Oct 2025

- Replaced paper-based factory orders with a digital routing workflow sending jobs directly to shop-floor machines, eliminating manual printout handoffs.
- Owned delivery end-to-end from requirements gathering and operator testing through production handover across teams.

Projects

Celestia — Commercial Desktop Software (Java, Rust, Next.js, ML) — Jun 2024 – Present

- Built and operate a live paid software product end-to-end: a ~50k-line Java Fabric client with custom GUI/renderer and real-time behavioral ML modeling mouse trajectories and click timing, shipped via obfuscated CI releases.
- Engineered a self-updating loader with HWID auth and encrypted streaming backed by a Rust service issuing per-user watermarked builds with replay-attack protection, plus a Next.js storefront with checkout, gated downloads, and admin panel.

PrismaPod — Self-Hosted PaaS (Go, React, Docker, Kubernetes) — 2026

- Built a self-hosted deployment platform that takes a GitHub repository, builds with Nixpacks, and deploys to Docker or Kubernetes with live build and runtime logs streamed over SSE.
- Embedded the React UI inside a single Go binary alongside a private container registry, automatic Traefik TLS, and per-app custom domain routing.

AnomaLens — Real-Time Anomaly Detection (Python, OpenCV, PyQt6) — 2026

- Implemented webcam defect detection on a custom PatchCore architecture that trains exclusively on defect-free samples, removing the need for labeled anomaly datasets; ships with both a CLI and PyQt6 desktop app.

Skills

Languages

C#, Java, Python, TypeScript, Go, Rust, C++, SQL

Backend & Cloud

.NET, Node.js, React / Next.js, Docker, Kubernetes, Azure, AWS, NoSQL, CI/CD

AI / ML

PyTorch, scikit-learn, TensorFlow, OpenCV, Computer Vision, ML Pipelines

Tools & Practices

Git, Linux, System Design, Agile

Education

Universitat de Lleida — Bachelor's Degree

Computer Engineering — Lleida, Spain • Sep 2022 – Jun 2026

Certifications: AWS Academy Graduate (Jan 2025) · Languages: Catalan (Native), Spanish (Native), English (C1)