



PROFILE

Senior engineer with around ten years building production systems for regulated industries, and founder of Liftory, an AI product I owned end to end from idea to the App Store and more than 100 active users, with an agentic GenAI core (RAG and tools over MCP on the Microsoft Agent Framework). At Pdftools I own the AI enablement platform used across product lines, taking models from evaluation to fast, reliable production inference (ONNX Runtime, FastAPI), and I help the product owner with the decisions behind what we build. The engineering background keeps roadmaps and feasibility grounded in how the systems work. Comfortable scoping needs into use cases, working across cross-functional teams, and collaborating with non-technical stakeholders. MSc in Artificial Intelligence, SAFe Agilist, and Scrum Master.

HARD SKILLS

Generative AI and applied ML

LLMs · prompt engineering · fine-tuning · RAG · semantic search · Agentic workflows (MAF · MCP) · PyTorch · TensorFlow · ONNX Runtime · Hugging Face Transformers · spaCy · FastAPI inference services

Cloud and infrastructure

AWS (Lambda, S3, SQS, EKS) · GCP (BigQuery, Dataflow) · Terraform · Kubernetes · Docker

Data and backends

Event-driven architecture · Kafka · RabbitMQ · PostgreSQL · BigQuery · SQL / NoSQL · REST · gRPC

Programming languages

Python · C# / .NET (Framework, Core) · TypeScript / Node · Java (JEE) · C / C++

Frontend

React / Next.js · Angular with RxJS · Ionic

SDLC and quality

GitHub Actions · Azure DevOps · Jenkins · OpenTelemetry · Grafana · Loki · Tempo · Prometheus · Unit, BDD (SpecFlow), and integration testing

SOFT SKILLS

Product ownership (backlog and roadmap) · Cross-functional squad leadership · Stakeholder communication and storytelling · Change management and adoption · Analytical thinking

LANGUAGES

English	C1
Spanish	Native
German	A2 / B1

Sergio Jimenez Jimenez

AI Product Owner · Senior Engineer. Owning GenAI products end to end, from business use case to production and adoption.

EXPERIENCE

AUG 2025 → PRESENT

Pdftools (Smallpdf) · Zurich · remote Basel

Senior Software Engineer, AI Enablement

- Own the AI enablement platform that every Pdftools product line builds on: ONNX Runtime model serving, FastAPI inference services, and NLP pipelines on Hugging Face Transformers and spaCy.
- Take models from evaluation to production: reimplement inference pipelines to run efficiently (for example, porting GLiNER to ONNX Runtime and C#), with containerized Kubernetes deployment, CI/CD, observability, and regression evaluation in the release pipeline.
- Work with the product owner and research stakeholders to shape the product and turn evaluated models into reliable, performant inference services that multiple product teams build on.

OCT 2022 → PRESENT

Pdftools (Smallpdf) · Zurich · remote Basel

Senior Software Engineer

- Core engineer (team of 4 within a 20+ engineer Swiss organization) on Smart Redact, the AI-based PII removal product for regulated industries (healthcare, finance, insurance, government, legal). Hybrid Named Entity Recognition plus deterministic rules across seven languages.
- Also contributed to OCR Service (180+ languages). Both products run on AWS on a horizontally scalable manager / worker architecture I helped design.
- Own infrastructure as code (Terraform), CI/CD (Azure DevOps and GitHub Actions), observability, and on-call practices across product lines.
- Drove the team's SDLC standards (review norms, testing strategy, release automation, architecture decision records) and mentor engineers across teams.

SEP 2021 → OCT 2022

Swiss International Air Lines (Lufthansa Group) · Basel · Zurich

Lead Engineer, Flight Operations Optimization (OPSD)

- Architected the Grand Solver, a real-time cost-evaluation system that operations crews across multiple Lufthansa Group airlines used to make live operational decisions, with non-technical users relying on it in production. Cloud-native on GCP, delivered in partnership with Google Cloud.
- Promoted to lead on the Lufthansa Group-wide OPSD initiative. Shaped the long-term roadmap, built simulation and automation for cross-airline cost comparison, and ran cross-airline refinement sessions with business stakeholders.
- Recognized internally as an outstanding high achiever for technical depth, stakeholder communication with non-engineering domain experts, and collaborative mindset.

JUL 2019 → SEP 2021

Swiss International Air Lines (Lufthansa Group) · Basel

Software Engineer

- Full-stack cost-maintenance and budgeting application reconciling vendor invoices against contract terms. Stack: .NET Framework and .NET Core backend, Angular with RxJS frontend, PL/SQL on Oracle, Docker on GCP.

APR 2018 → JUN 2019

Neueda · Málaga

Senior Software Engineer · Software Engineer

Later acquired by Version 1.

- Senior C++ developer on an exchange platform running on Linux: CMake, Docker, Redis, RabbitMQ, Google Protocol Buffers, gtest and gmock. Profiled with Valgrind and perf. Services containerized on Amazon EKS, with CI on Jenkins and TeamCity.

CERTIFICATES

Azure Cloud Developer
www.credly.com/badges/03a223d7-c425-4fc9-b7b4-2a0e4aa57471

SAFe 4 Agilist
www.youracclaim.com/badges/939031f8-f301-4e6c-9bf3-70033df29c3e/public_url

Scrum Master
www.scrum.org/certificates/495301

CONTACT

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- GitHub [seryusj](#)

- OCT 2017 → APR 2018
Wilken Software Group · Gijón
Software Developer
 - ERP for tourism clients (including SkiData): JEE8 on WildFly with an Ext JS frontend. Tooling: Maven, Arquillian, Jenkins.
- AUG 2015 → OCT 2017
Mecalux Warehouse Solutions · Gijón
Software Developer
 - Warehouse management system modules built on .NET Web API, WPF, WinForms, and Entity Framework. Designed and built a 3D warehouse-simulation tool (XNA / MonoGame embedded in WPF) that lets users configure a layout, persist it to the database, and run virtual operations end-to-end.
 - BDD with SpecFlow, unit testing with NUnit and Moq, and a CruiseControl.NET, Nant, and WiX release pipeline.
- SEP 2013 → MAY 2015
Sweetspot · University of Oviedo · Gijón · Oviedo
Software Developer Intern · IT Intern
 - Android and Android Wear application in Java for Sweetspot. The application won the company-hosted contest. Earlier, computer-systems maintenance at the University of Oviedo.

SELECTED PROJECTS

- 2025 → PRESENT
[liftyr.ch](#) · An AI product I own end to end. Fitness tracking with an agentic GenAI chat worker. More than 100 registered users.
 **Liftyr**
 - Founder and sole owner. Took the product from idea to Proof of Concept to a live app on the App Store and Google Play with more than 100 registered users, owning the roadmap, the release cadence, and adoption. Shipped an Ionic and Angular mobile app, native watchOS (Swift) and Wear OS (Kotlin and Jetpack Compose) companions with bidirectional phone-to-watch sync, a Next.js marketing site at [liftyr.ch](#), and a .NET 10 backend on PostgreSQL.
 - Built an agentic AI worker on the Microsoft Agent Framework (MAF) that designs personalized training plans through multi-turn conversations, calling domain tools over the Model Context Protocol (MCP) and grounding its answers with RAG over a curated fitness corpus. Orchestration is model-agnostic, with typed, schema-constrained tool calls. Applies the automated planning, reasoning, and NLP from my MSc in Artificial Intelligence.
 - Workers are stateless and horizontally scalable behind RabbitMQ. Full OpenTelemetry observability (Grafana, Loki, Tempo, Prometheus) and a private Gitea content pipeline publishing versioned brand-asset packages consumed by the web and mobile builds.

EDUCATION

- MAR 2024 → MAR 2026
Universidad Internacional de La Rioja (UNIR) · Online (Spain)
Master of Science in Artificial Intelligence
Focus on Machine Learning, Deep Learning, Natural Language Processing, Automated Reasoning and Planning, and Computer Vision.
- SEP 2017 → FEB 2020
Universitat Oberta de Catalunya (UOC) · Online (Spain)
Master's Degree, Mobile Applications Development
- SEP 2011 → JUL 2015
University of Oviedo · Spain
Bachelor's Degree, Computer Science (Software Development)