

Marco Salatin

Senior Backend Engineer & Tech Lead · 10+ years building production systems

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PROFESSIONAL PROFILE

Senior Backend Engineer with over 10 years of experience designing and building critical backend systems, data pipelines and complex integrations across heterogeneous platforms. Strong background in Python, TypeScript/Node.js and Java, serverless and microservice architectures on AWS, relational databases and automation.

Hands-on Tech Lead experience: technical leadership of teams of up to 7 people, mentoring, code review and direct relationships with stakeholders and product teams. Strong track record leading projects end-to-end, from architecture to production, with a focus on stability, technical quality and operational risk reduction.

Founder background (Alma Robotics, Lumi Industries) and an independent-operator mindset. Daily use of AI-assisted development tools (Claude Code) and experience prototyping LLM integrations.

PROFESSIONAL EXPERIENCE

Senior Backend Engineer

Claranet Italia · 03/2026 – 06/2026 · Remote — Milan

Backend development and system integrations for enterprise clients in highly regulated sectors (medical care, banking), with a focus on operational reliability, compliance and service continuity in production.

Senior Software Engineer (Backend-focused)

GhostCFO Srl (Zucchetti Group) · 07/2025 – 12/2025 · Remote — Verona

Led the end-to-end development of Zucchetti Business Plan, a B2B SaaS product.

Designed and built the backend in Java/Micronaut with a focus on performance, clean architecture and maintainability.

Adopted an AI-assisted workflow (Cursor) across Java/Micronaut and React, covering the entire product without a dedicated frontend engineer while meeting the timeline.

Senior Backend / Data Engineer · Team Lead

Studioware Sas — client EGO Energy / Shell · 09/2023 – 05/2025 · Remote — Vasto

Led the full migration of a legacy PHP enterprise billing system (over 1,000 users) to a microservice architecture, through to production release.

Technical owner of integrations and Python backend development in a highly complex operational context.

Built integrations with Zoho CRM for electricity calculations, coordinating 2 engineers and managing the direct client relationship.

Designed a TERNA data acquisition and query system on Python, React and AWS (ECS/Fargate, Lambda, RDS, CloudFront).

Team Leader

Ennova Research Srl — public agricultural grants sector · 01/2023 – 06/2023 · Remote — Venice

Coordinated a team of 7 developers on an SPA with a Java/Dropwizard backend and a Vue.js/TypeScript frontend.

Owned API and database design and schema evolution with Liquibase.

Worked with product owners and stakeholders on priorities, requirements and deadlines.

Senior Backend / Data Engineer · Technical Project Lead

Wisee Srl (Tinexta Group startup · Innolva) · 06/2021 – 12/2022 · Remote — Milan

Designed and built a data-enrichment scraper in Python, Selenium and AWS Lambda over the entire Italian business registry (~6 million companies).

Built the Python/Django backend of a B2B platform selling enriched company leads.

Coordinated the final delivery phase end-to-end for 8 months, through to production.

Software Engineer · Real-Time Systems & Web Applications

Free Green Nature Srl (Maschio Gaspardo Group startup) · 01/2021 – 06/2021 · Colle Umberto

Built a real-time SPA in C#/Blazor for monitoring autonomous rover telemetry, with socket-based communication and live updates.

Designed a 4G data acquisition pipeline with file-based persistence.

Developed custom data-exchange protocols for embedded Linux environments.

Software Engineer / Technical Project Lead

Emax Srl · 04/2019 – 12/2020 · Orsago

Designed and built an end-to-end vehicle geolocation system: embedded firmware (BLE, Raspberry Pi), backend, REST APIs and web frontend.

Coordinated the technical work from analysis to production-ready release.

Software Engineer · Founder

Alma Robotics Srl · 01/2017 – 10/2022 · Vittorio Veneto

Founded a robotics startup and built the platform's entire software stack, from firmware to backend to frontend.

Owned technology decisions, architecture, development, deployment and support, with end-to-end responsibility for the technical side.

Project Manager / R&D Engineer

Bclever Srls · 07/2015 – 04/2019 · Vittorio Veneto

Technical management of R&D projects for B2B clients in embedded systems and industrial applications.

Coordinated design, prototyping and delivery in multi-client contexts.

Software Engineer · Founder

Lumi Industries · 06/2014 – 06/2016 · Roncade

Co-founded a 3D-printing startup and built the software stack for the first generation of products, from firmware to control software.

Hands-on experience with product, customer development and integrated hardware-software delivery.

FREELANCE PROJECTS & COLLABORATIONS

End-to-End Web Application — Psicologo Espresso

Freelance collaboration · 2025 · Remote

Designed and built an end-to-end full-stack web application with a Python/FastAPI backend and a Next.js frontend, from product to production release.

Worked fully autonomously on architecture, API design, database, frontend, deployment and infrastructure.

Stack: Python, FastAPI, Next.js, TypeScript, PostgreSQL.

LifeVault — Founder & Solo Developer

Personal product in production · 2026 – Present · Remote

Conceived, designed and built LifeVault end-to-end: a zero-knowledge web app for the secure management of families' documents and critical information, live in production.

Client-side cryptographic architecture with non-extractable CryptoKeys (Web Crypto API), vault key rotation and multi-user access with end-to-end confidentiality — including from the server.

Built the entire stack: backend, frontend, database, authentication, cloud infrastructure, deployment and operations.

Stack: Next.js, TypeScript, Python/FastAPI, PostgreSQL, Web Crypto API.

TECHNICAL SKILLS

Languages: Python, TypeScript, JavaScript, Java, C#, SQL

Backend: FastAPI, Django, Flask · Fastify, Express, NestJS · Micronaut, Dropwizard · Blazor

Frontend: React, Next.js, Vue.js, TypeScript, Tailwind, Bootstrap

APIs & Architecture: REST API design, Microservices, Event-driven, System integration, Auth (JWT), API Gateway

Databases & Data: PostgreSQL, SQL, Data modeling, ETL, Migrations (Liquibase), Scraping & enrichment (Selenium)

Cloud & Infra: AWS (ECS/Fargate, Lambda, RDS, S3, CloudFront, API Gateway), Serverless, IaC (AWS CDK)

DevOps & CI/CD: Docker, Git, GitHub Actions, CI/CD pipelines, multi-environment deployments

Messaging & Integration: Kafka, Event-driven systems, Third-party API integration, web scraping & automation

AI-Assisted & LLM: Claude Code, Cursor, GitHub Copilot · Anthropic API (PoC) · Prompt engineering, RAG and agentic workflows, LLM integration patterns

Engineering: System design, Clean architecture, Code review, Testing, Non-functional requirements, Mentoring

Methodologies: Agile/Scrum, Stakeholder management, Cross-functional collaboration, End-to-end delivery

LANGUAGES

Italian: native

English: B2 — professional working proficiency. Regular professional use in technical calls, documentation and collaboration with international stakeholders.

EDUCATION

Bachelor's Degree in Computer Science for Digital Business (L-31)

Pegaso Online University · 2023 · Final grade 87/100

Computer Science studies

University of Udine · Udine

High School Diploma in Accounting, Business and Computer Programming (Ragioniere Programmatore)

ITCS «Marco Fanno» · 2003 – 2008 · Conegliano (TV) · Final grade 70/100

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