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SUMMARY

Senior Software Engineer with 15+ years of experience building backend and full-stack systems across banking, crypto, government, and health-tech. Strong background in Python, AWS, and payment integrations, with end-to-end ownership from architecture to production. Experience improving operational workflows, addressing security vulnerabilities, mentoring engineers, and collaborating with Product, Security, and DevOps. Currently expanding into AI Engineering, with a focus on RAG, LLM API integrations, chatbot development, and Agentic AI.

EXPERIENCE

Senior Software Engineer | XAPO Bank | May 2021 - February 2026

- Architected FIAT and crypto payment integrations using Python, Java and AWS for 10K+ customers. Led the backend integration of a new SWIFT provider with Product, Security and DevOps, restoring international transfers in two months and enabling approximately 200 successful transactions in the first few weeks.
- Refactored an AWS SQS-driven BTC hedging service using a common interface and pluggable API clients, retaining Bitstamp and adding Tagomi in production. Other engineers later extended the architecture to integrate additional exchanges.
- Built and deployed internal automation tools that reduced manual banking operations by approximately 50%.
- Led remediation of dependency vulnerability and secret alerts from Security-managed automated scans, with zero remediation SLA breaches over approximately six months.
- Onboarded and mentored one engineer who completed the UMA deposit flow end-to-end in approximately six weeks. At other times, provided coaching and partial onboarding to other engineers on codebase architecture, development workflows and team practices.
- Used GitHub Copilot as an additional PR reviewer, identifying issues and code improvements missed in initial human review.

Senior Software Engineer | AccelOne LLC | March 2018 - May 2021

- Developed internal tooling for XAPO Bank (as an external consultant) using Python, Flask, and MongoDB, supporting operational workflows for high-volume FIAT and cryptocurrency transaction processing.
- Designed and built a REST API using Node.js for a health-tech mobile application to track and manage medical procedure data, deployed on AWS.
- Owned end-to-end delivery across multiple client projects simultaneously, adapting to different tech stacks (Python/Flask, Node.js), codebases, and team workflows.

Software Engineer | DevsAr SA | October 2017 - March 2018

Client: Matterport

- Built and enhanced features for Matterport's customer-facing web portal using Python (Django) on the backend and JavaScript on the frontend, working on-site with the engineering team in San Francisco, CA.
- Implemented a 3D model cloning feature in the customer portal, allowing users to duplicate and manage spatial models directly from the web interface.
- Contributed to performance monitoring and debugging using Datadog, improving visibility into application health and page load times.

Software Engineer | DevsAr SA | April 2016 - September 2017

Client: Moni (FinTech - Short-Term Credit Platform)

- Shipped customer-facing features for a high-traffic payday loan platform serving 5K+ users, built with Python (Django, Celery) on the backend and JavaScript (Marionette) on the frontend.
- Enhanced the internal operations dashboard, improving loan management workflows and giving the operations team better visibility into portfolio health and borrower status.
- Partnered with Product to scope and prioritize new features, translating business requirements into technical specs for both the borrower-facing portal and back-office tooling.

Software Engineer | LIFIA - UNLP | August 2011 - April 2016

Client: Tesorería General de la Provincia de Bs. As.

- Led the refactoring and modernization of a legacy government treasury system (CUT project) built on Java (5-7), Spring, JBoss, and Oracle Database, adapting the system to meet the institution's evolving operational needs.
- Defined infrastructure requirements for the Oracle OS and JBoss application server environment alongside the DevOps team, and coordinated feature scoping across multiple government stakeholders.
- Documented system architecture and technical processes, supporting knowledge transfer within the development team and across institutional stakeholders.

EDUCATION

Postgraduate Specialization in Computer Graphics, Imaging and Computer Vision | Universidad Nacional de la Plata, Postgrado - Facultad de Informática - UNLP | Argentina | 2017

- **Thesis:** Low cost home video surveillance system using instant messaging and image processing.

Computer Science (Licenciado) [B.Sc.] | Universidad Nacional de la Plata, Facultad de Informática - UNLP | Argentina | 2010

- **Thesis:** Test driven development applied to Rich Internet Applications.

CERTIFICATIONS & PROFESSIONAL DEVELOPMENT

Certifications

- **AWS Certified Solutions Architect - Associate | Amazon Web Services Training and Certification | 2026**

Completed courses

- **AI Engineer Core Track: LLM Engineering, RAG, QLoRA, Agents | Udemy | 2026**
- **Staff Engineer Bootcamp | turegano.net | 2026**

PERSONAL PROJECTS

My Digital Twin | Implementation: October 2026

- Built a chatbot that answers questions about my career, skills and experience using OpenAI models and RAG with query rephrasing and reranking.
- Deployed the chatbot on Hugging Face Spaces and embedded it in my personal portfolio. Demo: seba3c-digital-twin.hf.space.

Juana & Lola Digital | Launch: September 2026

- Built and launched an Astro website for a personal IT consulting, web design and SEO initiative, using Codex throughout implementation and optimizing the site for search engines and AI agents. Website: juanaylola.com.

SKILLS

Languages: **Spanish:** Native or bilingual proficiency. | **English:** Full professional proficiency.

Soft skills: Cross-functional communication, team alignment and collaboration, critical thinking, adaptability, problem-solving, teamwork, attention to detail.

Technical skills

Programming languages: Python, JavaScript, TypeScript, Java, C#, Bash.

Frameworks & libraries: FastAPI, Django, Flask, Celery, Spring, Spring Boot, Node.js, Astro.

Cloud & infrastructure: AWS, Terraform, Docker, Kubernetes, Kafka.

Databases: PostgreSQL, MySQL, MongoDB, Redis, SQLite.

Authentication & authorization: OAuth 2.0, OpenID Connect (OIDC).

Observability & monitoring: New Relic, Datadog, Coralogix, Sentry, AWS CloudWatch, PagerDuty.

CI/CD & version control: Git, GitHub Actions, CI/CD pipelines.

Methodologies: Agile, TDD, Domain-Driven Design (DDD).

Development practices: Spec-Driven Development, spec-kit, OpenSpec.

AI Engineering frameworks & platforms (personal projects & coursework): LangChain, LangGraph, Hugging Face.

AI Engineering practices (personal projects & coursework): RAG (Retrieval-Augmented Generation).

AI coding assistants: Claude Code, Codex, Gemini, OpenCode, Gemini Notebook, GitHub Copilot.

Tools & collaboration: Postman, JIRA, Confluence, Miro, Figma.

Operating systems: Linux, macOS, Windows.