

SANTIAGO MORGADO BLANAR

Backend Developer · Python APIs, distributed systems, cloud infrastructure

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Backend developer with five years on production Python services, three of them at JPMorganChase across internal APIs, infrastructure automation and observability. This past year I have been doing freelance backend work and an AI programme, integrating ML and LLMs into API systems.

LANGUAGES	Python (FastAPI, asyncio) · Node.js · C# / .NET
INFRASTRUCTURE	AWS · Docker · Ansible · Linux · GitHub Actions · RabbitMQ · Redis
DATA & ML	PostgreSQL · Supabase · SQL Server · Oracle · TensorFlow/Keras · XGBoost · scikit-learn
OBSERVABILITY	Grafana · New Relic · Splunk

EXPERIENCE

Backend Developer · Nubi (freelance) Mar 2026 – Present

- Python 3.12 · FastAPI (async) · Supabase/PostgreSQL · WhatsApp Business Cloud API · GPT-4o-mini · AWS Lightsail
- Production WhatsApp bot on the WhatsApp Business Cloud API: clients query account status, report payments by sending a receipt, and escalate to a human advisor.
 - GPT-4o-mini for intent routing and vision receipt validation, behind prompt-injection guards: confirms a genuine bank receipt and extracts its amount.
 - Concurrency-safe payment flows: a transactional FSM over row-level PostgreSQL locks, behind HMAC-signed webhooks.
 - REST API for restaurant back-office operations: Node.js, TypeScript, Express.js, MSSQL, deployed to AWS Lightsail.

Associate Software Engineer · JPMorganChase Jan 2025 – Sep 2025

- SCIM-compliant FastAPI for user provisioning and de-provisioning, with async retry logic across several internal APIs. Owned end to end, from system design to production rollout, in four months.
- Audit dashboard (Python · Grafana · Splunk) automating 15+ daily control checks across 10+ teams, cutting ~40 min per cycle. Ran the cross-team syncs and the leadership demo.
- Ansible microservices for infrastructure user provisioning, with layered security controls and Linux server validation.

Software Engineer · JPMorganChase Aug 2022 – Jan 2025

- Oracle Home Provisioning microservice inside a year-long database patching initiative: Pre-Check, Patching and Post-Check services with rollback design and step-level logging.
- Reverse-engineered manual runbooks into Ansible workflows with APAC teams; core code-review team member.
- Full-stack FastAPI application on AWS at the Bournemouth bootcamp, awarded Most Impactful Solution. Faculty for the 2024 and 2025 bootcamps, mentoring engineers in Python and CI/CD.

.NET Software Developer · Travelgenio Sep 2021 – Jul 2022

- ASP.NET (C#) SOAP and REST services with SQL Server maintenance for a global flight-booking platform.

EDUCATION & CERTIFICATIONS

Intensive AI Programme, CEI Seville	2026	PCAP-31-03 Certified Associate Python Programmer
Associate Degree in Programming, UTN Argentina	2019–2021	AWS Certified Cloud Practitioner · Solutions Architect (in progress)