

Santiago Morgado Blanar

Backend Developer · Python APIs & Cloud Infrastructure

smorgadoblanar@gmail.com · +34 603 145 976 · Valencia, Spain · linkedin.com/in/ese-mb · github.com/zmorgado

Backend developer with 4+ years of experience, including three at JPMorganChase building production Python APIs and infrastructure automation. PCAP-certified and AWS Certified Cloud Practitioner.

Backend:	Python, C#, .NET, Node.js
Cloud/Infra:	AWS, Docker, Ansible, Linux, GitHub Actions
Databases:	PostgreSQL, SQL Server, Oracle, SQLite
Observability:	Grafana, New Relic, Splunk

LATEST WORK

Backend Developer · Family Capital (Freelance) Mar 2026 – Present

[Python 3.12 · FastAPI (async) · PostgreSQL · OpenAI API · AWS]

- Production WhatsApp bot for a property trust where clients query account status, report payments, and escalate to a human advisor.
- GPT-4o-mini integration for intent routing and GPT-4o vision to validate user-uploaded payment receipts against expected transactional fields.
- Concurrency-safe payment flows using a transactional FSM with row-level PostgreSQL locks, backed by HMAC-signed webhook authentication and strict prompt-injection guards.

IT Incident Log Anomaly Detector · AI Program Final Project Mar 2026 – Apr 2026

[PyTorch · LSTM Autoencoder · Isolation Forest · LLMs · NLP]

- Machine learning pipeline to detect anomalies in highly unstructured IT incident logs.
- LSTM Autoencoder combined with an Isolation Forest to establish baseline system behavior and flag statistically significant deviations in real-time.
- LLM-based analysis layer to automatically parse flagged anomalies and generate human-readable root-cause analysis reports, reducing manual log-hunting time.

PROFESSIONAL EXPERIENCE

Associate Software Engineer · JPMorganChase Jan 2025 – Sep 2025

- SCIM-compliant FastAPI for user provisioning and de-provisioning with async retry logic across multiple internal APIs; end-to-end execution across four months, from system design through production rollout.
- Audit Dashboard (Python · Grafana · Splunk) automating 15+ daily control checks across 10+ teams — cutting manual check time by ~40 min per cycle. Owned cross-team syncs, timeline, and leadership demo.
- Ansible-based 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 DB patching automation initiative — Pre-Check, Patching, and Post-Check services with rollback design and step-level logging.
- Reverse-engineering of manual processes into Ansible workflows in collaboration with APAC teams; core code-review team member.
- Full-stack FastAPI application deployed to AWS at the Bournemouth Bootcamp — awarded Most Impactful Solution. Faculty member for 2024 & 2025 bootcamps, mentoring engineers across Python and CI/CD.

.NET Software Developer · Travelgenio Sep 2021 – Jul 2022

ASP.NET (C#) SOAP/REST services and SQL Server database maintenance for a global flight-booking platform across distributed Scrum teams.

EDUCATION & CERTIFICATIONS

Intensive AI Program

CEI Seville (2026)

Associate Degree, Programming

UTN Argentina (2019 – 2021)

PCAP-31-03 — Certified Associate Python Programmer

AWS Certified Cloud Practitioner

AWS Solutions Architect — In Progress