

ALEX MORGAN

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PROFESSIONAL SUMMARY

Senior Backend Engineer with 7+ years building scalable Python services, payment systems, and developer tooling. Strong focus on clean architecture, observability, and team mentorship.

WORK EXPERIENCE

Fintech GmbH

Berlin, Germany

Senior Backend Engineer

JAN 2022 - PRESENT

- Led the redesign of the payment orchestration layer handling 2M+ daily transactions across 14 payment providers, reducing latency by 38%.
- Owned the migration from a **Django** monolith to **FastAPI** microservices with **gRPC**, improving throughput 4x and reducing p99 latency from 900ms to 180ms.
- Mentored 4 mid-level engineers and ran internal workshops on **Python** async patterns, testing strategy, and **PostgreSQL** query tuning.
- Introduced SLO-based alerting on top of Prometheus and Grafana, reducing false pages by 62% while catching three production incidents earlier than before.
- Shipped end-to-end **Terraform** modules for **Kubernetes** workloads on **AWS** EKS, cutting new-service provisioning time from 2 days to under an hour.

DataLoop Labs

Remote

Backend Engineer

MAR 2019 - DEC 2021

- Built a multi-tenant ETL platform on **Kafka** and **Celery** processing 500GB of analytics events daily with exactly-once delivery guarantees.
- Designed a plugin system that let customers write **Python** transforms executed in isolated sandboxes, increasing platform retention by 21%.
- Rewrote the internal admin console in **React** with **TypeScript**, replacing a legacy jQuery app and cutting support tickets in half.

PROJECTS

QueueForge | Open Source

Python, Redis, FastAPI

GitHub: <https://github.com/alexmorgan/queueforge>

Docs: <https://queueforge.dev>

- A lightweight background job queue for **Python** with priority lanes, delayed jobs, and a built-in web dashboard. ~1.5k stars on GitHub.
- Supports SQLite, **PostgreSQL**, and **Redis** backends with identical semantics and a pluggable serializer layer.

ObservaBlog | Side Project

Next.js, MDX, Vercel

Live: <https://observablog.dev>

- A technical blog on distributed systems and production **Python**, averaging 12k monthly readers.

SKILLS

Languages: Python, TypeScript, Go, SQL

Backend: FastAPI, Django, gRPC, Celery, Kafka

Data: PostgreSQL, Redis, ClickHouse, Elasticsearch

Infra: Docker, Kubernetes, Terraform, AWS, GCP
Observability: Prometheus, Grafana, OpenTelemetry, Sentry

EDUCATION

Technical University of Munich	2015 - 2018
M.Sc. Computer Science	

CERTIFICATIONS

AWS Certified Solutions Architect - Professional	2024
Amazon Web Services	
Verify: https://aws.amazon.com/verification	
Certified Kubernetes Administrator (CKA)	2023
Cloud Native Computing Foundation	

AWARDS & ACHIEVEMENTS

Engineering Excellence Award	2024
Fintech GmbH	
For leading the payment orchestration redesign that cut latency by 38%.	

LANGUAGES

English - Fluent | German - B2 | Spanish - Conversational