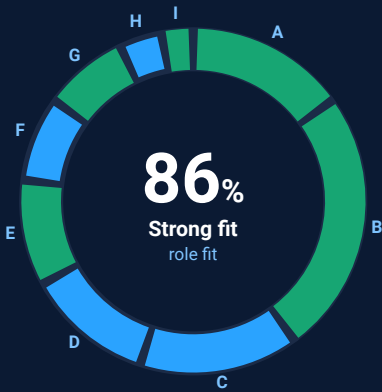


Candidate submission for Senior Python Backend Engineer

Candidate A

Senior Backend Engineer · Python & AWS

Backend engineer with 11 years in production software, the last seven in Python for payments, capital markets and insurance. Currently leads the card-authorisation ledger at a payments scale-up: FastAPI services on AWS, PostgreSQL, event-driven with SQS. Comfortable owning a service from schema design to on-call.



Submission details

ROLE	REQUISITION	ENGAGEMENT	BASED IN	
Senior Python Backend Engineer	SAMPLE-0001	Contract	Bucharest, Romania	
WORK MODEL	AVAILABILITY	RATE	RIGHT TO WORK	LANGUAGES
Hybrid, Bucharest	2 weeks' notice	Shared per submission	Yes	English, Romanian

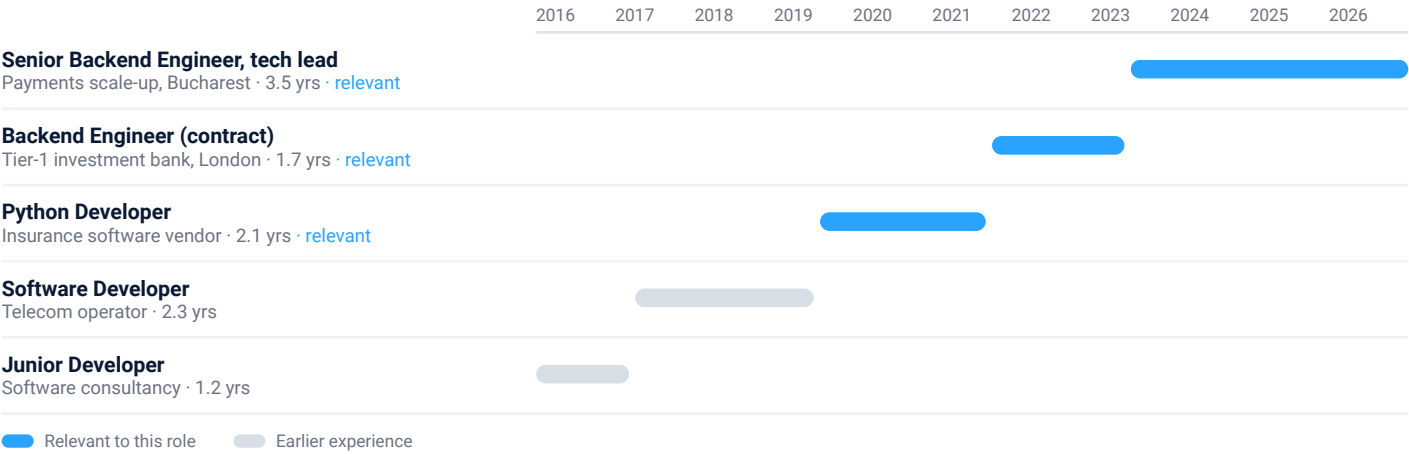
Why we are putting this candidate forward

- **Seven years of production Python** in regulated domains: payments, investment banking and insurance, latterly as technical lead of a four-person team.
- **Performance with numbers:** card-authorisation p99 latency cut from 420 ms to 95 ms at 1,800 requests per second.
- **Delivery discipline:** contract tests and a GitLab pipeline that took releases from weekly to daily at a tier-1 bank.
- **Domain fluency:** MiFIR trade reporting, card schemes and insurance pricing, so briefs need less translation.

At a glance

- 11 years in technology
- 7 years directly relevant to this role
- 3 projects matched to the requirements
- 2 certifications held

Career path roles relevant to this brief highlighted



Role assessment

each requirement taken from the job description, scored on evidence in the CV

Requirement and Evidence		Weight	Score
A	6+ years of backend engineering experience Must have Eleven years in software, seven building Python backends in payments, banking and insurance.	15%	92
B	Strong Python, ideally FastAPI or Django Must have FastAPI in production since 2023, Django REST Framework 2019–2021; owns the ledger's Python codebase.	25%	90
C	Designing scalable REST APIs and microservices Split the authorisation ledger into five idempotent services; designed a trade-reporting API used by three teams.	15%	84
D	Hands-on AWS (Lambda, ECS or EKS, RDS, SQS) ECS, RDS PostgreSQL, SQS and Lambda in production. EKS only in a proof of concept.	12%	80
E	PostgreSQL and relational data modelling Designed the ledger schema with partitioning by settlement date; led a migration to PostgreSQL.	10%	88
F	Event-driven architecture (Kafka or SQS/SNS) Production events run on SQS and SNS with dead-letter handling. Kafka listed, not evidenced in delivery.	8%	72
G	CI/CD, automated testing and Docker GitLab CI with contract tests and Docker at the bank; GitHub Actions and pytest at ~85% coverage.	8%	86
H	Security: OAuth2 / OIDC and role-based access OAuth2 single sign-on with Keycloak for broker portals and one RBAC model; no dedicated security role.	4%	70
I	Financial services domain experience Card payments, MiFIR trade reporting and insurance pricing, all in production.	3%	92

Weighted fit: 15% × 92 + 25% × 90 + 15% × 84 + 12% × 80 + 10% × 88 + 8% × 72 + 8% × 86 + 4% × 70 + 3% × 92 = 85.5%, shown as 86%.

Relevant projects

Real-time card-authorisation ledger

Payments scale-up

FastAPI services on ECS with PostgreSQL and SQS, idempotent writes and an outbox: p99 from 420 ms to 95 ms at 1,800 req/s.

Evidence for A B C D E F

MiFIR trade-reporting API

Tier-1 investment bank

Python services turning trade events into regulator-ready reports; contract tests took releases from weekly to daily.

Evidence for B C G I

Policy-pricing engine migration

Insurance software vendor

Monolithic pricing engine moved to Django REST services on PostgreSQL, with OAuth2 single sign-on for brokers.

Evidence for B E H I

2024 to present

2021 to 2023

2019 to 2021

Depth of experience



Certifications

- AWS Certified Developer, Associate
- Professional Scrum Master I

Education

BSc Computer Science, 2015

How this was scored.

Every requirement comes from the job description for SAMPLE-0001, weighted before any CV was read, and the same rubric is applied to every candidate NexDev puts forward for this role. Scores reflect evidence in the candidate's CV and our screening conversation.

85+ strong

70+ good

55+ partial

0+ low