Y Practicum

Certificate of Completion
of the Middle Python Developer
Professional Training Course

Moscow

Dmitriy Shirochenko has successfully completed
the Middle Python Developer Professional Training Course
at Practicum by Yandex (INO CPE "Yandex EdTech") — 500 hours.

Course program:

#	Course	Hours	Result
1.	Relational database design	20 h	Pass
2.	Advanced Django: migrations, ORM, API with Django	20 h	Pass
3.	Introduction to DevOps: Docker and Nginx	10 h	Pass
4.	Project: Admin panel development for a movie theater	40 h	Pass
5.	Full-text search with Elasticsearch	20 h	Pass
6.	ETL architectural patterns	10 h	Pass
7.	Project: ETL process of data synchronization using PostgreSQL and Elasticsearch	30 h	Pass
8.	Advanced asynchronous programming in Python: processes and streams, Event-loop, Asyncio	20 h	Pass
9.	Capabilities of the Fast API framework and areas of application	10 h	Pass
10.	Best practices for high-quality code: SOLID principles, testing, documentation	10 h	Pass
11.	Project: Business logic implementation in case of a movie theater using Fast API	40 h	Pass
12.	Microservice architecture: principles, area of application	10 h	Pass
13.	Web server security and work with sensitive data	20 h	Pass
14.	Protocols, OAuth and Identity Management	10 h	Pass
15.	Project: authorization service for a streaming platform	40 h	Pass
16.	Architectural design and technology selection	10 h	Pass
17.	Time complexity and distributed storage using Kafka, Clickhouse, Zookeeper and MongoDB as examples	20 h	Pass
18.	Advanced DevOps course: configuring CI/CD and logging (ELK)	10 h	Pass
19.	Project: service used for collection, storage and processing of user-generated content on a streaming platform	40 h	Pass
20.	Communication system design and implementation of mass mailing: Email, Web- and Mobile-push	10 h	Pass
21.	Message brokers using RabbitMQ as an example	10 h	Pass
22.	Project: design and implementation of a notification service for a streaming platform	20 h	Pass
23.	Introduction to team leadership: conceptualization, creation of a team, time management	10 h	Pass
24.	Introduction to working with clients	10 h	Pass
25.	Architecture and design: uncertainty and risk management	10 h	Pass
26.	Graduation project	50 h	Pass

Lyudmila Romash,
Representative by Power of Attorney
INO CPE "Yandex EdTech"

Sergey Brazhnik,
Director of
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