



## Igor Cherniakov has successfully completed the Middle Python Developer professional training course at Practicum by Yandex (INO CPE "Yandex EdTech") — 500 hours.

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

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



Sergey Brazhnik, Director of INO CPE "Yandex EdTech"



