

CERTIFICATE

Tetiana Bovanenko

Has successfully completed

PYTHON
SOFTWARE ENGINEER

(Python Core)
course at GoIT

16/10/2024

Unique ID 32858

PYTHON

goit.global

CEO of GoIT

Anton Chornyi



Supplement to Python Software Engineering course certificate

General information

Soft Skills

2 classes, 4 hours

Python Core

16 classes, 32 hours

8 assignments on Tech Skills

Python core units

Unit 1. Introduction to Python

Unit 2. Flow control and functions

Unit 3. Working with date, time and advanced string operations

Unit 4. Working with files and the modular system

Unit 5. Functional programming and built-in Python modules

Unit 6. Basics of working with classes

Unit 7. Advanced object-oriented programming in Python

Unit 8. Serialization and copying objects in Python

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goit.global

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Supplement to Python Software Engineering course certificate

General information

Soft Skills

2 classes, 4 hours

Python Web

28 classes, 56 hours

14 assignments on Tech Skills

Python Web units:

Unit 1. SOLID and Design Patterns

Unit 2. Python Development tools. Poetry. Docker

Unit 3. Multithreading and Multiprocessing in Python

Unit 4. Web fundamentals

Unit 5. Asynchronous programming in Python

Unit 6. Relational databases. Postgres

Unit 7. ORM SQLAlchemy

Unit 8. NoSQL databases. MongoDB. Redis. RabbitMQ

Unit 10. Fundamentals of working with Django

Unit 11. Building a REST API with FastAPI

Unit 12. Authorization and Authentication. JWT

Unit 13. Sending emails. Basics of web application security

Unit 14. Testing and deploying web applications. Unittest. Pytest. Sphinx