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Education

National Research University Higher School of Economics Moscow, Russia
Computer Science, distributed systems *Sep. 2020 – 2024 (Present)*

Experience

Middle software engineer, PFL Advisors. (Go, Python) April 2023 – Present
Moscow

- Developed financial microservices using Go and Python. Implemented service for streaming stock prices to clients. Worked with message brokers (RabbitMQ), SQL databases, wrote migrations (used Alembic) and covered code with tests. Integrated services with third-party APIs.
- Took part in architecture planning. Planned and developed http service for generating bills and receiving payments from customers. Payments were based on bank API. Used Fastapi and worked with sqlalchemy ORM, wrote mock tests. Tuned docker-compose for deploy.
- Implemented service for referral system. It generated personal invite links for our partners and helped us calculate rewards to partners for new users. Fastapi, PostgreSQL, RabbitMQ and Alembic were used for implement data storing and communicating between services

Junior software engineer, Huawei (python) April 2022 – March 2023
Moscow

- Implemented JetBrains plugin with syntax highlighting and many other features for eolang using Java, ANTLR and Gradle. Wrote unit tests for new language features.
- Tuned fully automated pipeline on github including linter, building, testing, code coverage analysis and release workflow (CI/CD)
- Contributed to eolang with 700+ github stars. Fixed many bugs and worked in a big team.
- Worked with Python clangd RPC server for processing C/C++ code. Wrote unit tests
- Implemented and tested http server which runs clangd locally and can process remote queries (Python)

Software engineer, BOTTEC (python) May 2021 – Dec 2021
Moscow

- Developed and hosted bots on company server using Docker and docker-compose
- Almost all bots used few API's and some of them were connected to databases (MongoDB).
- One of bots was a full value product for working with maps. Bot could save many points and display them on map (MapHub API)

Projects

@spy_car_bot you may test now:) | *Python, AIogram, Asyncio, Docker, Postgres, RabbitMQ*

- Developed telegram bot for receiving urgent notifications when relevant car is posted for sale
- Wrote few microservices for receiving offers and for delivering it to users.
- Used Postgres for storing data and RabbitMQ for communicating between services.

Valentine's bot | *Python, AIogram, Asyncio, Docker, MongoDB*

- Developed asynchronous telegram bot for sending and receiving anonymous valentines. Hosted bot on aws-server and connected MongoDB for storing user's data. Reached more than 3000 users and delivered around 3500 valentines.

Fast api chat | *Python, Docker, fastapi*

- Developed asynchronous fastapi chat. Followed CRUD principles. Tuned CI/CD. Wrote strong tests

Technical Skills

Languages: Python, Go, C++
Skills: Git, Docker, docker-compose, SQL, ORM, MongoDB, fastapi, REST, RabbitMQ, protobuf, Linux, bash

Achievements

- Moscow Mathematics Olympiad, 2nd diploma
- LeetCode 100+ (easy-medium)
- Teacher's assistant on course of algorithms and data structures