

Python Developer | Software Engineer

Varvara

- Experienced in developing minimum viable products (MVPs) and integrating external services such as payment platforms, analytics, monitoring;
- Pragmatic, team player, strong focus on providing value for clients;
- Developing in a *value engineering* skill, which allows me to offer alternative options for implementing tasks that effectively reduce development time, cost, and complexity.

Skills:

Python 3, SQL, REST API, PostgreSQL, RabbitMQ, AsyncIO, Pyramid, Celery, Linux, Docker, Git, Pytest, Vue.JS, Problem-Solving, Integration tests, Mentoring, Jenkins

DECEMBER 2020—MARCH 2023

Novakid Inc, Contract – Software Engineer

- Developed 3 game simulators to help teach English in kid's office's and upgraded another 2 – added new mechanics. Result – time spent metric in kid's area increased by 100%;
- I restored the functionality of the kid's area within one day when a critical incident occurred, involving the deletion of important files. I identified and resolved the root cause of the issue, optimized S3 file manager.
- Optimized the process of working with multimedia files for the content team (uploading, level system, reusing, etc.), which reduced the number of hours spent on tedious routine tasks;
- Introduced many improvements to a development process (using Postman for dev, QA teams, added tech documentations for difficult mechanics, fixed olds bugs, etc.);
- Provided a culture of designing and clarifying requirements for complex cross-platform features;

JUNE 2020 – SEPTEMBER 2020

Freelance, Contract – Backend Developer

- Implemented an autocomplete microservice with ~ 1.5 TB dataset using an inverted index (searching over 13 million records in less than 200 MC)
- Improved the code base of the core service and created up-to-date documentation microservices.

FEBRUARY 2020 – NOVEMBER 2020

Yandex Practicum, Contract – Mentor at the course of python developer

- Mentored 20–25 students for 9 months, provided 18 educational webinars;
- Out of the 15 students I supervised, 7 have completed the course, and 4 of them have been employed;

NOVEMBER 2017 – APRIL 2020

Saritasa (SaaS), Full Time – Python Developer

- Worked on 11 projects, created 2 projects from scratch – developed WEB apps based on Python;

Examples of completed projects:

1. *Trivver - Advertising Tech platform with VR/MR assets integration:*
 - a. Optimized SQL queries – ~40% load reduction in API queries;
 - b. Improved custom reports with metrics (transactions, advertising campaign statistics, etc.);
 - c. Implemented frontend functionality including a payment page with Stripe integration using Vue.js, user and advertiser registration and profile pages using Ember.js, and also fixed bugs using jQuery.
 - d. Refactored core repository – fixed deprecated dependencies (migrated Django0, replaced 70% of documentation, migrated swagger doc to openApi3 version;
2. *Platform for private and group chats (aka Slack) with monetization for channel owners:*
 - a. Implemented complex business logic for paid subscriptions via Stripe platform;
 - b. Mentored junior IOS developers (application architecture, REST API)
 - c. Integrated “Double-entry bookkeeping” into a relational database;

3. *Internal project for calculating business metrics of employees*
 - a. Optimized replication and synchronization from MySQL to PostgreSQL database;
 - b. Implemented the calculation of three basic business metrics via Pandas;

Education: 2014 – 2018 Siberian Federal University **Bachelor's Information systems and technologies**