

Taras

PYTHON ENGINEER

ABOUT ME

An experienced Software Engineer with 5+ years of commercial experience; proficiency in Python development; knowledge and understanding of principles and methodologies of software design; engineering in database/ AWS environments; strong computer science expertise and analytical skills, well knowledge of math, and a high level of responsibility; prefer to research things as deep as it is possible and come up with new solutions; communicative, team player, self-motivated.

SKILLS

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- Programming languages: Python, JavaScript (TypeScript, HTML/CSS);
- Frameworks and libraries: Django, FastAPI, Flask, Celery, React, Bootstrap, Tailwind;
- DB: PostgreSQL, SQLite, Firebase, MariaDB;
- Cloud Systems: AWS, Google Cloud Platform;
- Containerization: Docker.

SKILLS

- Tools and technologies: Elasticsearch, Asyncio, Shopify API GraphQL, MQTT/ OPC-UA, REST, Prometheus Metrics, OpenNMS;
- OTHERS: Git, Linux, Windows, Jenkins.

WORK EXPERIENCE

Project Description:

The project that aims to provide information about the various parts of electrical infrastructure for corporate environments. It gathers all this information from the assets, like EES (Electrical Energy Storage), and smart-meters that are produced by the company behind it, as well as vehicle charging stations, solar batteries, distribution facilities and grids, if possible.

Involvement Duration:

10.2023-until now

Project Role:

Back-end developer

Responsibilities:

- Designing the architecture of the project;
- Create and manage database;
- Building a back-end API solution;
- Resolve integration issues.

Tools & Technologies:

AWS, IoT SiteWise, Neo4J, AppSync

Project Description:

This project is a huge system of micro-services and applications to monitor data from the industrial devices, machines, their sensors as well as analyze different kinds of metrics and observe devices in the network. Additional features are health monitoring for micro-services and their sub-modules (databases, queues overloading, broker connections etc.) and complete logging system.

Involvement Duration:

04.2022-10.2023

Project Role:

Senior Back-end developer

Responsibilities:

- Writing micro-service which retrieves data from sensor;
- Support different protocols (HTTP, MQTT, OPC-UA);
- Writing micro-service which retrieves data about devices in the network using OpenNMS and HiVisio;
- Conducted code review;
- Suggesting new features implementation;
- Micro-service architecture designing;
- Drawing schemas.

Tools & Technologies:

Python, Fast API, MariaDB, Asyncio, MQTT, OPC-UA, Prometheus Metrics, OpenNMS, HiVision.

Project Description:

The project is a big service which allows users get the transcriptions of their meeting recordings as well as calculate statistics of each recording. The main functionality was get transcription from meeting calls, calculate statistics and created reports.

Involvement Duration:

09.2021-03.2022

Project Role:

Python developer

Responsibilities:

- Adding new features in the back-end;
- Logging and solving bugs in the service;
- Refactoring and cleaning code;
- Improving speed and reliability.

Tools & Technologies:

Python (Flask + FastAPI), Firebase, Elasticsearch, GCP, Git

Project Description:

The project goal is to make links look much shorter and prettier. It works very simple, all you need is to paste your long url inside an appropriate field and you will immediately receive shortened link that you can share anywhere.

Involvement Duration:

02.2021-08.2021

Project Role:

Back-end developer

Responsibilities:

- Designing and creation of the back-end application on Flask;
- Designing and creation of the database structure;
- Logging and solving bugs in the service;
- UI development using HTML, CSS and Bootstrap.

Tools & Technologies:

Python (Flask), HTML, CSS (Bootstrap), PostgreSQL, GitHub

Project Description:

This platform provides try now buy later experience for shoppers. It can be integrated with stores that were created using Shopify platform. Merchants can configure trial length, return flow period, trial extension and other parameters in one click.

Involvement Duration:

01.2020-01.2021

Project Role:

Back-end developer

Responsibilities:

- Worked with GraphQL API;
- Wrote unit tests using pytest and jest;
- Worked on webhooks handling;
- Logging and solving bugs in the service;
- Adding new features implementation;
- Worked with UI components.

Tools & Technologies:

Python, Django, Fast API, GraphQL, Shopify API, PostgreSQL, React, Typescript, AWS.

Project Description:

The project is a web app for employees and managers that allows to check all needed employee info, update employees and manage them as much as possible. For employee its a tool where they can check salary, request vacation, track working time and earn or share bonuses.

Involvement Duration:

07.2019-01.2020

Project Role:

Back-end developer

Responsibilities:

- Designing and creation of the backend application on FastAPI;
- Adding Firebase authentication and implementing permissions;
- Designing and creation of the database structure;
- Logging and solving bugs in the service;
- UI development according to Figma mockups using React.

Tools & Technologies:

Python (FastAPI), HTML, CSS, JavaScript (React), PostgreSQL, Firebase, GitLab.

Project Description:

It is a internet shop of dental materials and tools. There you can order any dental staff that available or read all the important info about goods and shop.

Involvement Duration:

01.2019-06.2019

Project Role:

Full-stack developer

Responsibilities:

- Designing and creation of the back-end application on Django;
- Implementing cart, orders functionality;
- Designing and creation of the database structure;
- Logging and solving bugs in the service;
- UI development using HTML, CSS and Bootstrap.

Tools & Technologies:

Python (Django), HTML, CSS (Bootstrap), PostgreSQL, Firebase, GitHub, GCP.

EDUCATION

Degree received

Department

Lviv Polytechnic National University

LANGUAGE

English

Upper-Intermediate