Anton Smirnov

smirnov.anton.work@gmail.com | tg: @AntonSmirnov1234
Moscow, Russia

R&D Interests

Frontend & Backend Development
Algorithmic Trading
Performance Optimization
Design Principles and Design Patterns
Game Development

PROFESSIONAL EXPERIENCE

NORSI-TRANS

Software Engineer at Norsi-Trans, Full-time

Data Monitoring System

Remote
08.2022–now

- Led the development of a system for monitoring and analyzing data;
- Developed a frontend UI using React;
- Built easy-to-use constructor for creating data filtration functions;
- Created backend REST API server using Python;
- Designed a data manager with caching and lazy loading capabilities for every data type;
- Containerized each module to fasten system deployment.

Tech stack

Typescript, React, SASS, ReactFlow, Python, Kafka, Docker, Websocket, REST API, SSH.

Website Constructor

- Participated in the development of an Angular-based website constructor service, allowing users to customize and create components to meet their desired outcomes;
- Implemented flexible generic data types system to work with;
- A Redux-like state store was developed to provide and cache generic data types. The store leverages the reactive programming library RxJS to make it easier for developers to use. The module was designed and implemented as a separate library, enabling its use across different projects;
- Implemented dashboard with adjustment of settings on fly;
- Wrote unit tests using Jest and end-to-end tests using Protractor framework;
- Participated in project design discussions;
- Collaborated with the frontend team in the process of system integration and optimization, including pair programming;
- Applied the SOLID principles to make code more extendable and flexible for future changes.

Tech stack

    Angular, SASS, RxJS, Jest, Protractor, Webpack.

Mobile Application for Map Data Visualization

- Took on a key role in the design and development of Android native mobile application using Java and Figma;
- Implemented osmdroid maps to display large amount of marker data on screen;
- Built a multilayered encryption for secure message transmission;
- Wrote the data repository to store messages in secure database with an encryption;
- A separate docker container was created to build the project.

Tech stack

    Android Native, Java, Osmdroid, Sqlite, Figma, Keystores, Protobuf, Docker.

Admin Panel for Big Data Filtration

- Created SPA using VueJS to filter provider data;
- Developed multiple pages to display big data using pagination and virtual scroll;
- Implemented modal-based solution to create filtration tasks;

Tech stack

    VueJS, CSS, Typescript, Figma, Axios.

Data Selection Interface

- Created SPA using VueJS to select provider data;
- Implemented control flow builder using Diagram Editor library;
- Designed UI using Figma;
- Developed API using Axios.

Tech stack

VueJS, CSS, Typescript, Diagram Editor, Figma, Axios.

ANECDOTE
Frontend Developer, Part-time

Remote
09.2022–01.2023

Website

- Implemented new features and fixed bugs in existing Django project;
- Developed React version of the website in collaboration with a designer using Ant design library;
- Worked on containerized solutions for deployment using Docker and AWS;

Tech stack

Django, React, Docker, AWS.

EDUCATION

Bauman Moscow State Technical University   **Moscow**
Bachelor's Degree in Computer Science, GPA: 4.55/5   *2013 – 2017*

SOLID Principles Courses on Udemy   **Remote**
                                                                                                        2019

SIDE PROJECTS / OTHER MENTIONS

- Created and released mobile games using Unity3D in collaboration with US and German publishers;
- Took part in development of a time management cross platform application using Ionic in a team of three;
- Developed a system for backtesting technical trading strategies, as well as testing custom technical indicators.
- Gave lectures to students on the SOLID principles;
- Tested websites for vulnerabilities using OWASP ZAP: SQL injections, XSS, Remote Code Injections, etc.