Olga Krylova

olyakrylo24@gmail.com | +7(922)-216-26-25 | linkedIn/olga-krylova-3930871b6 | github/olyakrylo | olyakrylo.online

WORK EXPERIENCE

BIOCAD | Frontend Software Engineer   Saint Petersburg, Russia | Jul 2020 – Present

- Developed a system for laboratory equipment monitoring using **Angular** for client side and **NestJS** server as Backend For Frontend **(BFF)**, which **automated** the process of equipment booking and monitoring. The system consisted of modules for working with laboratory equipment, reports, dashboards and various charts.
  Stack: Angular 11, RxJs, NestJS, ECharts, Material UI, svg.
- Implemented communication between frontend and backend using **REST** and **WebSockets**.
  Stack: fetch API, Centrifugo.
- Developed a part of the module for authentication and authorisation using **Microsoft Azure** and **KeyCloak**.
  Stack: openid-client.
- Participated in building **CI/CD** pipeline which helps to test the application at each stage.
  Stack: Docker, Kubernetes, GitLab.

SKILLS

Languages: JavaScript (main)
Web Development: HTML/CSS, Node.js, Angular, RxJs, NestJS, React, React-Native, Redux, Next.js
REST, WebSockets, Centrifugo, SASS, Material UI, ECharts
Technology: Git, Webpack, Heroku, Vercel
Familiar but no Proficient Python, Django, Docker, Kubernetes, Figma, MongoDB
Soft: communication, teamwork, problem-solving, adaptability, attention to detail, patience

PROJECTS

MEMORY CARDS ⤴   Next.js, TypeScript, Redux, MUI, Vercel

- An application for creating private or public topics with memory cards with simple authorisation by tokens.
- It uses mongoose for database fetching without any remote server.

MULTI-TENANT SHOP ⤴   React, TypeScript, Django, Heroku

- Backend uses a simple multi-tenant pattern for using a single database to host data for all tenants.
- Frontend is the same for all tenants and its data depends on tenant token.
- Users with admin rights can see an admin panel for manipulating data.

EMPLOYMENT CONTROL SYSTEM ⤴   React-Native, Expo SDK

- An employment control system using a token on a smartphone and determining its location in a room equipped with an internal navigation system.
- The system can get information about the token, validate it in the room management system, show the employee the workplace on the room plan in the mobile application and turn on the equipment on the workplace.
- After the employee's confirmation in the mobile application, the system calculates total time spent at the workplace and transmits this information to the mobile application for payment.

EDUCATION

BSc. in Computer Science   Saint Petersburg, Russia | Sep 2017 - Jun 2021
Saint Petersburg State University
 GPA: 4.4/5.0