

Vyatkin Aleksandr

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GitHub: Repository

ABOUT ME

Junior Full Stack Software Developer with project experience in Frontend, Backend, Computer Vision. Personal skills are my big advantages: leadership, initiative, attention to detail. Looking for a Junior Python Developer position.

SKILLS SUMMARY

- **Languages:** JavaScript, Typescript, Python, SQL, Bash
- **Frameworks:** Nodejs, Expressjs, React, Redux, React Router Dom, Django, Django Rest Framework, Mocha, Chai, Sinon
- **Development:** Code review, Design patterns, Data Structures and Algorithms
- **Tools:** MongoDB, PostgreSQL, Git, MySQL, Postman, Linux
- **English:** IELTS: CEFR Level **B2** from 29/04/21. **Valid** until 29/04/23
- **Soft Skills:** Responsible, Product-business oriented, Team-player, Detail-oriented, Easy and fast learner.

PROJECTS

- **Online Shop: Frontend: simple ejs. Backend: Express.js, MondoDB.** CRUD is implemented. View products available to all users, to delete and update is available only to the owner of the goods. To add goods is available only for authorized use. The part turned out to be inaccessible to an unauthorized user. Authorization followed by to mail, authentication, validation, it is also possible to change the password, you have to fill a special form and after that you will get the e-mail and change the password using the link. Working with data is implemented through the MongoDB database, the password is encrypted, if information is leaked, only the e-mail from the user's data will be available. Service has the ability to add goods to the basket and pay (it is possible to enter a pseudo-card), after payment an order has been generated with the ability to open or download an invoice. Repo.
- **REST API: Express.js, MongoDB, JWT, WebSocket:** CRUD is implemented. View posts available to all users, to create, delete and update is available only to the owner of the posts and user has to be authorized. User can change they status. Working with data is implemented through the MongoDB database, the password is encrypted, if information is leaked, only the e-mail from the user's data will be available. Websocket and JWT tokens was used. User and data validation implemented on the server side. Repo.
- **REST API: Express.js, MongoDB, GraphQL, JWT, WebSocket:** The same API as the previous one but with GraphQL implementation and tests(Mocha, Chai, Sinon) Repo.
- **Food Recipes: SPA: Frontend: React + React Router Dom:** SPA app. There are many food categories available. Each category contains a certain number of dishes, it is possible to select a dish and see the description of the dish, country from which this dish is, recipe, ingredients, as well as a video from youtube. Also a search for categories was implemented. This app use external api. Demo.
- **Fortnite Shop: Frontend: React:** Online shop with cozy design and items from Fortnite. Also user can add an item into basket open a basket and delete an item from a basket. Categories search was implemented. This app use external api. Demo.
- **Movie Project: Frontend: React:** Searching and filtration(all, serials, movies) by films was implemented. This app use external api. Demo.
- **Stories API:** A simple Rest API using Django Rest Framework. The user must be logged in email and password. The user can post stories, delete, list and does not have access to stories owned by other users. The user cannot add a post if his quota is exhausted. The administrator can delete, create, list users and their stories. Administrator can set quota for each user. Initially, the user's quota is not defined. Repo.
- **Face Recognition:** Implemented a number of Face Recognition algorithms comparing them to get the best result.
- **Telegram Bot:** I mainly used transfer learning on two neural nets VGG16 and ResNet. One of your choice is selected from 6 styles, later you send the photo to the bot and it gives the processed photo in the selected style, but you can also upload your style (send the picture in which style you want your photo to be processed) and the neuron will display the photo processing on your chosen style. You can also improve the quality of the photo (up scaling), but on the test version this is only possible on small photos. Because it starts from a collab + now there is no pro version and the GPU is not enough for implementation, since the photo improves 4 times.

WORK EXPERIENCE

- **Gazpromneft-Hantos** *Khanty-Mansiysk, Russia*
Mobile Superintendent
Dec 2017 - Apr 2022
 - **Analysis:** Conducted analysis and compiled a summary table for employees (about 1000 employees) for the OD block for weekly reporting.
 - **Supervising:** Supervised and checked the safe work of contractors at the field, as well as supervised the installation and dismantling of the ESP.
- **Kondakov LTD** *Yekaterinburg, Russia*
Project Manager
Sep 2014 - Nov 2017
 - **Analysis:** Controlled full cycle of actuary department's activity including implemented analysis market and competitors.
 - **Supervising:** I was responsible for supervising of goods purchase and communication with partners.

- **Gala-Center**
Project Manager

Yekaterinburg, Russia
Sep 2012 — Feb 2013

- **Statistical Analysis:** Statistical data analysis of department purchases activities. Worked with 1C program (reports, analysis, invoices)
- **Monitoring:** Monitored goods for the further purchases. Assortment formation considering economic effectiveness.
- **Business trips to China:** purchases, logistics and storage. Controlled full cycle of actuary department's activity including implemented analysis.

COURSES

- **UDEMY:** NodeJS - The Complete Guide (MVC, REST APIs, GraphQL, Deno)
- **Deep Learning School by MIPT:** Deep learning CV specialization
- **Coursera:** Machine Learning
- **Stepik:** React, Redux, TypeScript, Javascript courses.

EDUCATION

- **The Ural Federal University, M.Sc.**
Anti Crisis Management
- **Tyumen Industrial University, M.Sc.**
Development and operation of oil and gas fields.

Yekaterinburg, Russia
2007 - 2012

Tyumen, Russia
2015 - 2018