Nursultan Altayev

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EDUCATION

Nazarbayev University — Nur-Sultan, KZ
Bachelor in Computer Science, Minor in Math — *Aug. 2018 – May 2022*

EXPERIENCE

Junior Software Intern — November 2020 – December 2020
One Tech, Almaty — *github.com/one-lab-edu/nursik*
- Learned NextJS with TypeScript and applied its Route API and static generation to create static **Categories, Cards and Search modules** for market.forte.kz
- Developed NextJS login/authorization pages by **Firebase Authentication** and Github OAuth using **Formik, Yup** validations
- Created simple Movies page application in React using Movie Rest API, **SWR hook to cache data**, and Redux to manage data, also optimized number of server calls **by 75% by putting SWR intervals and migrations**

Software Engineer Path Participant — June. 2020 – Sep. 2020
Qwant Upskill Program — *git.us.qwasar.io/je3y7v*
- The program continued 6 month with 2 seasons in average 40 hours a week
- In 1st season I re-created all C basic libraries, essenital Unix commands and Data Structures
- In 2nd season I created projects in C/Ruby in Advanced Algorithms and Data Structures

Course Instructor — January 2020 – March 2020
Kvant Educational Center — *Nur-Sultan, KZ*
- My responsibilities as a course instructor were Teaching basics of programming in C++ to students at age of 18-20.
- Covering topics such as Loops, Functions (including Recursions), basic Data Structures (Arrays, Stack, Dictionaries, Sets), Object-Oriented Programming, Algorithms

PROJECTS

Hotel chain Full Stack Web Application| *React, Java Spring, MySQL*   github.com/tallisbackatcoding/hotel
- As a team learned **Java Spring Boot** to create REST API, Spring Security to handle authorization / authentication and JPA to connect to **MySQL** database in 1 week as a team
- Provided opportunity to make bookings for guests for particular room type, managing staff for administrators and accessing history of reservations at profile of each guest using **React, Redux**
- Followed **Agile** methodology during development: regular 2 meetings within a week and writing sprint **backlog** with spring goal at the beginning of each sprint.

Social Network| *React, TypeScript, Redux, Thunk, Hooks, Material UI*   github.com/whiplashedy/social-network
- Implemented my **own local Redux**, which copied redux's store, reducers, dispatches, actions
- Applied **Redux Thunk middleware** to extend store's ability not only to dispatch,but also to do async axios calls
- Did testing redux reducers with **Jest**
- Implemented **Pagination, Login, Authorization** with captcha page using this Rest API
- Used **Material UI** to implement VK's features like News, Messages, Music and Dark theme!

Car Trader App| *NextJS, TypeScript, Prisma ORM, Sqlite, Material UI*   github.com/whiplashedy/cartrader
- Developed searcher using Selectors and Formik, then pushed selected data into queries
- Using data from queries and **Prisma** CRUD filtering retrieved data from database
- Implemented endpoints using NextJS's API routes, and retrieved data in client using **SWR hooks**
- Used Material UI's Selectors, **Paginators**, Grid and **Skeleton** components to build responsive UI/UX friendly application

TECHNICAL SKILLS

Programming Languages: JavaScript, Python, C/C++, SQL
Client Scripting: React, NextJS, TS
Front-end: HTML5, CSS3, Sass, Material-UI, Grid, Flexbox
Other: Git, Linux, OOP, UML, Design Patterns