

# Nursultan Altayev

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## EDUCATION

### Nazarbayev University

*Bachelor in Computer Science, Minor in Math*

Nur-Sultan, KZ

Aug. 2018 – May 2022

## EXPERIENCE

### Frontend Developer

February 2021 – Current

*QAZMED Partners, Astana*

*Full-time*

- One of three front-end developers of a web application which is **used by more than hundred thousands patients in a month** in Kazakhstan.
- Reduced the size of bundle and css up to 40% by refactoring, code-splitting, tree-shaking and customizing some libraries which led fcp and lcp scores to decrease in a half of a second.
- Conducted multiple A/B tests on the team's hypothesis.
- Developed SSR pages in some routes using next js and zustand as a state management, as a result it increased the number of successful appointments to 25%.
- Decreased the CLS score from 0.4 to below than 0.05 using skeletons while fetching, which brought more ux.

### Frontend Developer Intern

November 2020 – December 2020

*One Tech, Almaty*

[github.com/one-lab-edu/nursik](https://github.com/one-lab-edu/nursik)

- Learned to build responsive web applications using NextJS and React with TypeScript
- Refactored class components to functional components

### Software Engineer Path Participant

June. 2020 – Sep. 2020

*Qwant Upskill Program*

[git.us.qwasar.io/je3y7v](https://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, essential 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](https://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](https://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!

## 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