

Nursultan Altayev

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EDUCATION

Nazarbayev University

Bachelor of Computer Science

Selected Coursework: Data Structures, Algorithms, Artificial Intelligence, Software Engineering, Database Systems, Operating Systems, Computer Networks, Formal Languages.

Nur-Sultan, Kazakhstan

August 2018 – June 2022 [expected]

EXPERIENCE

QAZMED Partners

Software Engineer, Nur-Sultan

February 2021 – Current

Full-time

- Reduced the size of a **bundle by 75%** by removing unnecessary dependencies and using native libraries.
- Increased retention rate by 15% by decreasing the **CLS to 0** as measured by Google Pagespeed metrics.
- Sped up site **load time on slow network by 70%** by implementing SSR on most visited pages using Next.js.
- Increased the revenue up to 10% by conducting multiple A/B tests on different UI components in 1 month.
- Reduced legacy code by 40% by migrating to functional components (from 20,000 lines of code to 12,000).
- Leveraged knowledge: **React, Next.js, TypeScript, Redux, Redux Saga.**

Zholda

Software Engineer, Nur-Sultan

September 2020 – December 2020

Part-time

- Reduced number of CSS files from **30 to 10** by developing custom UIKit using React Native.
- Improved **sprint cycle by 25%** by planning and prioritizing the tasks within the project in Trello platform.
- Saved **1 hour per developer** by recording video for dev environment setup, which improved onboarding process.
- Leveraged knowledge: **React Native, TypeScript, React Navigation, Zustand.**

One Tech

Frontend Developer Intern, Almaty

May 2020 – August 2020

Part-time

- Collaborated with designers and created programmatic UI using React
- Worked with a cross-functional team of 10 people to apply **DDD patterns and principles** to architecture micro frontend application.
- Implemented new features: UI components of authentication, and data exchange with backend using REST.
- Leveraged knowledge: **JavaScript, React, Next.js, TypeScript, Redux.**

PROJECTS

Hotel chain Full Stack Web Application | *React, Java Spring, MySQL, Jest*

[source code](#)

- Applied **Java, Spring Boot** to create REST API, Spring Security to handle authorization/authentication and JPA to connect to **MySQL** database in 1 week.
- Improved app's **crash free rate from 80% to 95%** by covering front-end part of the project by unit tests that helped to identify 8 defects and fix them.
- Accelerated the development by 30% by applying **Agile** methodology principles.

Qwant Upskill Program | *C, Ruby*

[source code](#)

- The program continued 6 month with 2 seasons in average 40 hours a week.
- Created all necessary data structures such as TreeSet, HashSet, HashMap, Queue, and Stack from scratch.
- Re-built Bash CLI and studied architectural solutions, memory management, and bitfields.

Search Algorithm Visualization | *Python*

[source code](#)

- Implemented search algorithms with visualisation - A*, UCS to find optimal path.
- Developed a custom barrier building feature to track steps of algorithms in different conditions.

TECHNICAL SKILLS

Programming Languages: C++, JavaScript, TypeScript, Python, C, Java, SQL

Technologies: React, Next.js, Redux, Zustand, Redux-Saga, CSS, Scss

Other: Git, Linux, OOP, UML, Design Patterns, Nginx, Docker