

ALIBEK

EDUCATION

Nazarbayev University

Bachelors Degree

08 2018 – 06 2022

Astana, Kazakhstan

COURSEWORK / SKILLS

- English B2
- Operating Systems
- Database Systems
- Software Engineering
- Data Structures
- Computer Networks
- Artificial Intelligence
- Algorithms

RELATED EXPERIENCE

Titanium Technologies 

Javascript Developer

04 2022 – 05 2023

Astana, Almaty, Kazakhstan

- Writing Unit Tests using Mocha, Chai libraries and Sinon for mocking.
- Fixing production bugs.
- Integrated external core services such as Keychain Analysis and Bittrex API.
- Refactoring old code base for the main app services: optimized wallet service annihilating latency due to code.
- Bank Integration for crypto card payments using XML ISO 8583 protocol and Openway vendor.
- Stack used: Nest, MySQL, Knex, Angular, Typescript, Redis, Docker, Docker compose, gRPC .
- Architecture used: Monolith, Microservices written in Nest with gRPC.
- Integrated blockchain and crypto wallets for backend services.
- Worked with Alchemy and Infura Blockchain RPCs configuring Ethers package.
- Supported and integrated Whatsapp, Telegram and Discord bots written in Node js communicating via MessageBird and Matrix services.
- Configured AWS S3 buckets for storing media files and metadata for NFT collections.
- Automated whitelisting of the wallet addresses using Infura RPC and Node Js, Ethers package for NFT purchase.
- Assisted with Front End tasks involving Back End integration and business logic flow.
- State management using Redux.
- Adaptive markup.
- Maintained high load system project on microservices architecture with a stack of: Nest monorepository, Kafka, PostgreSQL with master-slave architecture, Redis, TypeORM, and S3 buckets with Minio, gRPC.

R4 Research and Technology Center 

Full Stack Developer

10 2020 – 04 2022

Astana, Kazakhstan

- Localized of website performing using i18n up to 3 languages.
- Developed new components and business logic using Angular.
- Performed basic SEO optimization.
- Integrated Google Maps and Google Analytics for the Front End projects.
- Basic payment system integration with Paybox API.
- Configured SMTP mailing system for consultation requests.
- Designed simple web components with Figma.
- Worked in a of the project via performing cross-browser markup.
- Developed and supported Back End of the project using Docker, Nest, Express Js technologies.
- Deployed both Front End and Back End projects via Docker-compose with respective hosting services such as Hoster.kz and PS.kz

- Refactored database schemas with **Mongoose package** for the Jolt Mate startup project.
- Created landing pages **using React and Firebase Hosting** for external clients.
- Implemented new features depending on product requirements.
- Maintained high load project built in **microservices (Nest, Express, Typescript)** architecture.
- Experienced in writing **database queries for high load system with over 1 million records using (indexes, ELK)**.
- Developed new component modules **using React-Redux and UI libraries such as Ant-Design, Material UI, Chakra**.
- Have built Single Page Applications with **Next JS**.
- Containerization of Node Js services to deploy on production using **Docker, docker-compose**

PROJECTS

Flat-File DB | TypeScript, Node

07 2022

- NPM package for **storing data as a NoSQL in binary file**.
- Simplified file reading **by implementing buffers and asynchronous methods**.
- Solved linear complexity challenge on CRUD operations **by using offsets for buffers**.
- [Download](#)

Netflix Clone React JS, CSS, Firebase

04 2021

- Built Netflix clone app using **TBDB external API**.
- Learned how to optimize render on page change **using CSS..**
- [Live site here](#)

Image Search Engine | Tensorflow, Keras, Numpuy, PyTorch, Python

04 2021

- Machine Learning project which is designed **to search images**.
- Performed feature extracton and selection **using Keras Model to achieve more accuracy**
- Used Convolutional Neural Networks **to search images**.

TECHNICAL SKILLS

Languages: Python, JavaScript, TypeScript, SQL, CSS

Developer Tools: VS Code,

Technologies/Frameworks: Linux, Angular, React, Redux, Next JS, Node JS, Express, Nest Js, Git, Mongo, AWS, Django, RabbitMQ, Docker, Docker-compose,

EXTRACURRICULAR

JAS Ventures: Blockchain Hackaton

05 2022 – 06 2022

Third Place

Astana, Kazakhstan

- Development of the **NFT Marketplace via adaptive markup**.
- Participation Certificate. 