Ulukbek Mambetov

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Education

Hunter College   **2022**
Bachelor of Arts in Computer Science   **GPA: 3.4/4.0**

Skills

Languages: TypeScript, JavaScript, Python, HTML/CSS, SQL
Frameworks and Libraries: React.js, Next.js, Redux, Node.js, Express.js, Tailwind CSS, MUI, Bootstrap
Other: Git, Supabase, AWS, MongoDB, Vercel, JWT, Postman, RESTful APIs

Projects

Virtual Stock Market | *Next.js, Redux, TypeScript, Tailwind CSS, Supabase, FMP API*   **Feb. 2024**
- Developed a stock market web simulation enabling users to trade real stocks with virtual currency.
- Engineered with TypeScript to prioritize type safety, resulting in a 20% reduction in runtime errors.
- Implemented Supabase Auth and Database to handle user registration/authentication and efficiently manage profiles/portfolios through one-to-many relationships.
- Incorporated Redux for optimized state management, reducing API calls to Supabase by 50% and enhancing load times by 30%.

Not Twitter | *React, Node.js, MongoDB, Express.js, AWS S3, Bootstrap*   **May 2023**
- Created a full-stack web app inspired by X(Twitter), where users can post tweets, reply and upload images.
- Implemented a user management system using Node.js, Express.js, and JWT authentication. The system allows users to register, login, and access protected routes securely.
- Offloaded the task of serving static image assets to AWS S3, reducing server load by 50% and improving performance.
- Configured and set up MongoDB to effectively handle and store all user data other than image files.

Guessify | *React, AWS DynamoDB, Spotify Web API*   **Oct. 2022**
- Developed an interactive Spotify web app which allows users to check out their Spotify statistics and features a "Guess That Song" game.
- Allowed users to browse through millions of publicly available Spotify playlists, enabling them to play "Guess the Song" based on short audio clips extracted from songs within the playlist.
- Implemented AWS DynamoDB to store "Guess That Song" highscores per Spotify playlist.
- Utilized the Spotify API to fetch and present users' data, enabling customizable filtering with time range options.

Movie Buddy | *React, AWS Amplify, Cognito, DynamoDB, GraphQL, Material UI*   **May 2022**
- Led a group Capstone class project in a Scrum-like environment, where I established weekly goals, organized sprint planning sessions, and guided the team towards meeting these objectives.
- Set up a system to provide users movie recommendations from over a million movies available in The Movie Database, allowing users to easily search, filter, and access detailed information about each movie.
- Built essential frontend features with React and Material UI to create a user-friendly experience.
- Employed AWS Amplify and GraphQL for effortless user queries on favorite and watched movies in DynamoDB.

Experience

Cashier, Net Cost Market – Brooklyn, NY   2019 – Present
- Provided exceptional customer service and managed cash transactions in compliance with store policies.