Ulukbek Mambetov

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EDUCATION

Hunter College, City University of New York   **May 2022**
Bachelor of Arts in Computer Science
- 3.4/4.0 GPA, Dean's List for 3 semesters

PROJECTS

Virtual Stock Market |*Next, TypeScript, Redux, Tailwind CSS, PostgreSQL Supabase, FMP API*   **Apr. 2024**
- Developed a stock market simulation platform enabling users to trade real-world stocks using virtual currency.
- Integrated Supabase for authentication and database management, streamlining user registration, authentication, and portfolio management with one-to-many relationships.
- Optimized state management with Redux, cutting API calls to Supabase by 50% and improving load times by 30%.
- Implemented TypeScript to enhance type safety, achieving a 20% reduction in runtime errors.

NYC MTA Alerts | *Next, TypeScript, ASP.NET Core, SQL Server*   **Jul. 2024 – Present**
- Engineered a full-stack NYC transit web application and incorporated .NET Identity to handle user authentication and authorization.
- Leveraged SQL Server for efficient and reliable data storage and retrieval.
- Implemented HTTP-only cookies for secure session management, ensuring client-side data protection.

Not-Twitter | *React, Node.js, MongoDB, Express.js, AWS S3, Bootstrap*   **May 2023**
- Deployed a full-stack web application where users can post tweets, reply to others, and upload images.
- Implemented a secure user management system using Node.js, Express.js, and JWT authentication, enabling user registration, login, and secure access to protected routes.
- Integrated AWS S3 for serving static images, such as tweet images, reducing server load by 50%.
- Configured MongoDB for efficient data storage, handling all user data except image files.

Guessify | *React, AWS DynamoDB, Spotify Web API*   **Oct. 2022**
- Engineered a web application that provides users with detailed Spotify statistics and an interactive music quiz.
- Enabled users to browse through millions of Spotify playlists, with the ability to play "Guess the Song" based on short audio clips of songs within these playlists.
- Integrated AWS DynamoDB to manage and persist high-score details for each playlist.
- Utilized bearer tokens for security and communication with the Spotify API, ensuring protected access to user data.

WORK EXPERIENCE

Net Cost Market   **Aug. 2019 – Present**
Cashier   *Brooklyn, NY*
- Handle customer transactions, ensuring accurate payment processing and delivering excellent service.

SKILLS

Languages: TypeScript, JavaScript, Python, C#, HTML, CSS, SQL
Frameworks & Libraries: React, Node.js, Express.js, Next, ASP.NET Core, .NET, Tailwind CSS, Redux
Technologies: AWS, Azure, PostgreSQL, SQL Server, Supabase, MongoDB, JWT, GraphQL, RESTful APIs