Ramiz Abdulla

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Education

Bsc Computer Science | London, UK
Queen Mary University of London | *Sep 2021 - Apr 2024*

- Modules of interest: Data Structures and Algorithms, Neural Networks and Deep Learning

A-Levels | London, UK
William Morris | *Sep 2019 - Aug 2021*

- AAB in Mathematics, Biology, Physics

Technical Projects

Booking Page For Warwick Society Members

Booking page site

- Crafted a user-friendly online booking system for Warwick Band Society, increasing termly profit to the society by over 80%
- Integrated **Stripe API** for payments and used **AWS EC2** and **AWS RDBMS** to host backend services for secure and scalable user data storage.
- Designed and implemented a secure authentication system utilizing **JSON Web Tokens (JWT)**
- Developed a **PostgreSQL** database schema for real world objects and use cases
- Developed and documented a **RESTful API** using **Python's FastAPI** framework, fostering seamless communication between applications and ensuring clear, accessible guidelines for integration.

Start Page Extension

Web App demo

- Designed and implemented a browser start page extension for Firefox and Chrome using **React.js**, enhancing user productivity and experience.
- Integrated a **reverse proxy** to allow API requests from a start page for dynamic content to be loaded from the Leetcode API
- Implemented **GraphQL** queries to fetch real-time data from the LeetCode API, providing users with dynamic data, whilst minimizing performance hit

Music Social Media Website

github.com/firozt/SocialSpot

- Developed a social media website using the **MERN (MongoDB, Express.js, React (Typescript), Node.js)** tech stack, enabling users to connect and discover the music preferences of their friends.
- Integrated **Spotify's API** to query spotify data using the **OAuth 2.0** Authentication system
- Used industry standard **JWT (JSON Web Tokens)** to authenticate user requests on the server
- Stored user information in a document databse **(MongoDB)** making sure to securely encrypt sensitive information

Discord Bot

- Developed a Discord bot that utilized Riot Games' Developer API to deliver real-time statistics and information for the game League of Legends
- Designed and integrated a local in-memory caching system to optimize API usage, mitigating request limits and boosting data retrieval efficiency for enhanced bot performance.

Skills

Languages: Java, JavaScript, TypeScript, Python (Numpy, Pandas, PyTorch, sciKit-learn) , PHP, SQL, CSS, C++, C sharp

Technologies: Git, React, Typescript, Node.js, mySQL, Firebase, Postgresql, MongoDB, Rest API's, GraphQL, AWS EC2, AWS Redis, AWS RDS