Ramiz Abdulla

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Education

Bsc Computer Science   London, UK

Queen Mary University of London (first class honours)

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

A-Levels   London, UK

William Morris

- AAB in Mathematics, Biology, Physics

Technical Projects

Booking Page For Warwick Society Members

Booking Page (simulation)

- Crafted an online booking system for Warwick Band Society members, increasing termly profit to the society by over 80% running through-ought 2022 to 2024
- 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, allowing seamless communication between the server and client

Start Page Extension

Demo Application

- Designed and implemented a browser start page extension for Firefox and Chrome using **React.js**, following all proper standardizations for each browser.
- 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
- Extension currently serves over a hundred daily active users.
- The extension is featured on the Chrome store as following best practices.

Artists and Film Makers Business Card Creator

Landing Page

- Constructed a system that allows users to create a validated professional online business card growing users social following by an average of 21%
- Integrated **Stripe** to handle all payments and transactions handled by the system
- Integrated multiple online hosting solutions from **AWS**, including **RDBMS (postgresql)**, **EC2**, all of which are proeprly containerised using **Docker**

Full Stack Mobile Application

- Developed a mobile application using **React Native**, **Java Spring Boot**, **Postgresql**
- Employed test-driven development to ensure system functionalities and to minimize errors
- Utilized the Model View Controller (MVC) server architecture whilst also employing a microservice architecture for seperation of concerns following SOLID principles

Skills

Languages: Java, JavaScript, TypeScript, Python (Numpy, Pandas, PyTorch, Selenium) , PHP, SQL, CSS

Technologies: Git, GitHub, React, Node.js, mySQL, Firebase, Postgresql, MongoDB, GraphQL, AWS EC2, AWS Redis, AWS Relational Database Management System, ExpressJS, Fast API