

Mohammad Anas Mohsen

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EDUCATION

Institute of Business Administration (IBA) Karachi – Bachelor of Computer Science - CGPA 3.53/4 **2019-2023**
Web App Development, Design Patterns, Cloud Computing, Intro to Data Mining, Network Security

Rapid Check - Final Year Project (*NodeJS, Express, Python, Flask, Docker, Nginx, CI/CD, Github*)

- Automated the process of grading short descriptive answers rapidly through NLP to save a teacher's time.
- Designed schema on MongoDB, developed CRUD APIs for the LMS app in NodeJS + Express and in Python + Flask to serve the semantic text similarity score for grading answers AI.
- Documented APIs using 'Insomnia' and conducted meetings with peer mobile developers regarding usage of APIs.
- Used docker to containerize the application, created a service in docker-compose for each of Python, Nodejs and Nginx.
- Acquired and set up a droplet (Server) on DigitalOcean with Ubuntu 22.04 and assigned it a subdomain.
- Deployed the NodeJS and Flask backend to a cloud hosted VM on Digital Ocean through CI/CD pipelines setup using GitHub actions. (Free trial of 60 days ended in July 2023).
- Setup reverse proxy to redirect http requests to the API endpoints with Nginx.
- <https://github.com/md-anas-mohsen/rapid-check-ai-backend> | <https://github.com/md-anas-mohsen/rapidcheck-backend>

PROFESSIONAL EXPERIENCES

Asaan Retail – *Software Engineer (Laravel, Php, JQuery, Supervisor, Shopify)* **July 2023- present**

- Asaan Retail is a Pakistani startup that provides a one stop platform for ecommerce retailers to manage their stores, logistics, accounting and business visibility through reports and analytics. It includes integration with Daraz, Shopify, Woocommerce stores and provides shipping from over 20 couriers located in Pakistan, Sri Lanka and Bangladesh.
- Interacted directly with the co-founders and improved the Asaan Retail application by creating new features and resolving bugs.
- Increased productivity and business visibility by allowing ecommerce sellers to restock, return and post payments for Shopify orders directly from the Asaan Retail application.
- Integrated Laravel horizon to speed up and manage task queues for handling multiple background tasks.

KoderLabs – *Associate Software Engineer (NodeJS, NestJS, PM2, Nginx, CI/CD)* **Jan 2022- July 2023**

- Involved in the entire project development lifecycle, from system design to deployments in QA, staging and prod.
- Architected database schema after reviewing prototypes, business requirements and discussed solutions with 1 other backend developer in the team, a senior engineer, and a technical lead from another team.
- Designed APIs with JavaScript/Typescript (NodeJS + NestJS) requirements of the frontend and the scope of the application.
- Implemented firebase push notifications, mailgun, sendgrid, stripe and in-app-purchase webhooks.
- Created and documented socket events with NestJS and Socket.io for the chat and social media module of an application.
- Communicated with a team of 3 frontend developers and QA about API usage, implemented changes, and resolved queries.

PROJECTS:

ClickToBuy (MERN Project)

- An ecommerce store powered by NodeJS, Express and MySQL on the backend, and React on the frontend.
- <https://drive.google.com/file/d/1i47FZ8IKUrN3spqyzJVqbUMcSHFJVic/view>

Automating HR Resume Screening (Power Automate Application Project)

- Automated HR inbox resume screening using Microsoft power automate, NodeJS and OpenAI API.
- https://drive.google.com/file/d/16BRHLnsVYyzKlzRzRcLww4H_1k3HQomH/view

Expense tracker application (Power Platform Application Project)

- An expense tracking application built with Microsoft power platform.
- https://drive.google.com/file/d/1h0kI-mJ2_pTY-Gw4FowPraq-5KooEHax/view

LEADERSHIP EXPERIENCE:

Institute of Business Administration – **Google Developers Students Club** **2022 - Present**

- Conducted sessions on backend development using NodeJS + Express and API authentication using JsonWebToken.

Certifications:

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- JavaScript, React, NodeJS, Test driven development (freeCodeCamp)

INTERESTS:

Cricket, Football and pop culture
