Abdulrahman **AlGhoul**

SOFTWARE · ENGINEER

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"Computer Science, where the learning does not stop."

Summary

Currently Diving into Software Engineering, System Design & microservices. I am a self-taught learner, worked on some freelance, side and personal projects, got some experience with mobile/web apps development (ReactNative), NodeJS (React/Next & Astro) and a diversity of other technologies, languages and databases.

Prefers a command line interface environment as a big fan of Vim/Neovim, NixOS & ArchLinux. Always trying to customize to find the most optimal environment. Interested in devising a better problem-solving method for challenging tasks, and learning new technologies and tools.

Work Experience

E-Commerce API/Web App   *Side Project*

FULL-STACK DEVELOPMENT   *Oct. 2024*

- Designed the Database Logical Data Model/Schema and implemented it using kysely and PostgreSQL.
- Implemented JWT authentication and authorization.
- Wrote a RESTful API that manages the CRUD operations on the database.
- Wrote the front-end using NextJS (React based) and TailwindCSS with the help of https://v0.dev/, used React-Query to fetch and display data.
- Containerized the application and database using Docker.
- Wrote REST API endpoints tests using Jest.
- Utilized a CI/CD pipeline with GitHub Actions.

Fantasy-Namul   *Freelance*

REACTNATIVE DEVELOPMENT   *Sep, 2023*

- Designed the Database Logical Data Model/Schema and implemented it using Firestore.
- Utilized RecoilJS for state management & Firestore's queries.
- Utilized Firebase's Authentication, Storage and Firestore.
- Utilized Expo's build flow.
- Implemented Expo's EAS updates to allow the app to seamlessly update non-native components such as JS, styling, and images over-the-air, enhancing user experience and ensuring up-to-date features.

CS-FlashCards   *Personal Project*

REACTNATIVE DEVELOPMENT   *Sep. 2023*

- Designed the Database Logical Data Model/Schema and implemented it using Firestore.
- Used Expo's File-based routing to implement screen navigation.
- Utilized RecoilJS for state management & Firestore's queries.
- Utilized Firebase's Authentication (Github Provider) and Firestore.
- Utilized Expo's build flow.
- Implemented Expo's EAS updates to allow the app to seamlessly update non-native components such as JS, styling, and images over-the-air, enhancing user experience and ensuring up-to-date features.

Pko Tweak Server (A socket server)   *Personal Project*

NETWORK PROGRAMMING   *Aug, 2024*

- Designed the Database Logical Data Model/Schema and implemented it using PostgreSQL.
- Wrote the server using Ziglang (a low level alternative to C) utilizing Async/Callbacks.
- Containerized the application and database using Docker.

Phoenix Online Website   *Freelance*

FULL-STACK DEVELOPMENT   *Dec, 2022*

- Wrote the Database schema using Django's ORM and utilized MSSQL.
- Implemented and utilized paypal's IPN (Instant Payment Notification) for automated payments processing.
- Implemented Registration, Log in/out, Change password, Password reset and User profile.
- Implemented Item Mall, Award Center, Storage Box and 3rd party voting.
- Implemented Site news, Authors and utilized Discord Web Hooks (to automatically post game updates on a discord channel).
- Containerized the application and database using Docker.
- Designed and enhanced the front-end significantly by customizing elements of the official PKO website to improve user experience, using JS, HTML, and CSS.
- The back-end was written in Python, using Django.

BloggingPlatform *Side Project*

Back-End Development *Oct. 2024*

- Wrote a RESTful API that manages the CRUD operations on the database (Posts & Users).
- Utilized JWT authentication and authorization.
- The back-end is written in Python, using Django.

TodoListAPI *Side Project*

Back-End Development *Oct. 2024*

- Wrote a RESTful API that manages the CRUD operations on the database (Todos & Users).
- Utilized JWT authentication and authorization.
- The back-end is written in PHP, using Laravel.

Skills

DevOps	Nix, Docker, Hydra, Github's CI/CD
Back-end	NextJS, tRPC, Laravel, Django, Django REST Framework, REST API
Front-end	React, HTML5, TailwindCSS, CSS, NextJS, Astro, Bootstrap
Mobile App Development	ReactNative, Expo
Programming Languages	Python, Javascript, Typescript, PHP, Zig
Runtime	NodeJS, Bun, Deno
Languages	Arabic, English
Others	RESTful APIs, Firebase, PostgreSQL, MSSQL, MySQL, Git, Github