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Alzobair Mohammed

Employment

Product Team Lead

Fekra

Sep 2022 until now

Foodo: Mobile app for selling the remaining restaurants food to customers instead of throwing it away using Flutter (Dart) and Firebase

- Led a team of 3 and I was in charge of managing the project, task assignment and Code reviews.
- Mentored junior developers into through our source code's software architecture and best flutter development practices.

Software developer

Fekra

Dec 2021 until Aug 2022

Shrek: Service providing customer mobile app using Flutter (Dart) and Firebase.

- Worked with a team of 5 and I was in charge of collaborating with the UI/UX team to ensure that our design was error free.
- Developed 3 methods for booking services which are by ordering the service, in-chat offers and by Booking a service.
- Improved the app security by implementing Firebase security roles with unit tests.
- Implemented cloud functions for aggregation operations on orders and status tracking for orders that allowed the tracking of sales and viewing statistics of operations.

Software developer

Exit:Fund

Dec 2020 to Nov 2021

Doctorbase: Healthcare mobile app that lets patient have Virtual visits with, developed using Flutter (Dart) and Firebase ([Google Play](https://play.google.com/store/apps/details?id=com.doctorbase)).

- Updated app UI to reach pixel-perfect design and improved visuals.
- Improved the chat experience of the app by fixing the file upload/download process and implementing image thumbnails.
- Participated in features recommendation and business planning.
- Introduced user tips and insights features to improve users' engagement with the app.
- Added user tracking with aggregation and analysis which helped identify problems with the app UX.
- Applied crash reporting to help identify and debug bugs in production.

Forward: Calendar with to-do list website using Flutter (Dart) and Firebase ([Website](#)).

- Worked with a team of 2 to publish this website in 2 weeks for experimental purposes.
- Configured authentication of users on the website by using Firebase authentication to implement Google sign-in and email authentication.
- Improved the user experience by implementing task groups to help the user categorize his tasks.

Android apps developer

Fekra

May 2019 until Apr 2020

Simsim: Two android apps for parental control using Java.

- Created a home launcher app that controls child access to apps and videos.
- The second app was for the parent to schedule the child's allowance time and chose what apps he can use.

Education

Sudan, Khartoum University of Khartoum Oct 2015 to May 2022

- **Major:** Civil engineering, B.S.C.
- **Programming courses:** Computer programming basics, Applications of programming in civil engineering using Fortran.
- **Graduation project:** Prediction of concrete compressive strength using neural networks.

Software Projects

Manga Online ([Google Play](#))

- Developed an Android mobile app using Java that allows users to scrape and read Japanese comics (manga) that has 100,000 downloads on Google play.
- Utilised: Native android using Java, XML, Flutter using dart and Web scrapping.

Werewolf Online ([Github](#))

- Developed an android mobile multi-player werewolf game.
- Utilised: Native android using Java, XML, JavaScript, Node.js, Express, Socket.io and WebRtc.

Plants vs Zombies 3d Clone ([YouTube](#))

- Developed a simple plants vs zombies game clone in 3d.
- Utilised: Git, Unity and C#.

Prediction of compressive strength using Artificial neural network ([Github](#))

- Led a team of 3 to develop machine learning project that predicts the compressive strength of concrete mixture using ANN.
- Utilised: Python, Keras, Numpy, Pandas, Google Colab, Node.js using JavaScript, Html and CSS.

Skills

Programming languages: Java, Dart, Python, Typescript, JavaScript, Html, Css, C#, Fortran.

Frameworks: Android, Arduino, Flutter, Git, Keras, Numpy, Firebase, Unity, Node.js, WebRtc, NextJs, Google Colab.

Concepts: Networking, Machine learning, Artificial intelligence, Backend development, Object oriented programming, Rest API, Game development, Problem solving, algorithms and data structures.

Soft skills: good communication skills, Excellent time management, Fast learner, very patient, love collaboration and great adaptability.

Languages: Arabic (Native), English (Very good), French (A1.3)