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Alzobair Mohammed

Employment

Software Developer	249Startups	March 2023 until now
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- Responsible of developing internal company systems using ReactJs and NestJs.
- Communicating with different departments in the company and satisfy their requirements.

Product Team Lead	Fekra	Sep 2022 until Jan 2022
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Foodo: Mobile app for selling the remaining restaurants food to customers instead of throwing it away using Flutter (Dart) and Firebase

- Led 4 junior developers and I was in charge of managing the project, task assignment and doing 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
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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.

Software developer	Exit:Fund	Dec 2020 to Nov 2021
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Doctorbase: Healthcare mobile app that lets patient have Virtual visits with, developed using Flutter (Dart) and Firebase ([Google Play](#)).

- 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.

Android apps developer	Fekra	May 2019 until Apr 2020
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Simsimy: 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
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- **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.

Publications

Published 2 papers on the 10th Icat conference:

- Artificial intelligence approach for predicting the compressive strength of concrete mixture.
- Prediction of soil's compaction characteristics using artificial 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, Kotlin, Dart, Python, Typescript, JavaScript, Html, Css, C#, Fortran.

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

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

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)