Muhammad Nasir
Full Stack Web Developer – MERN

Technical Skills

- ReactJS
- React Native – Expo
- Bootstrap
- Material UI
- Formik
- Yup
- NodeJS
- ExpressJS
- SQL

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Education

Short Course
National Freelancer
Training Program (NFTP)
Technical
NED – 2022

Web Development
Code Academy (Online)
2018

**Masters of Engineering
Management (MEM)**
Supply Chain Management
NED - 2021

**Bachelors of Engineering
(BE)**
Industrial and
Manufacturing
NED - 2012

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Personal Details

DOB - 05-Oct-1989
Marital Status - Married

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Contact Information

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Iqbal, 13D3, Near Wasim
Bagh, Karachi

Experience

Full Stack Developer (2020 ~ Present)

Currently developing a Mobile Application for restaurant management. App is based on,
1. React Native (Expo) includes Formik, Yup, ReactQuery Libraries
2. NodeJS includes ExpressJS framework and Multer for image uploads
3. MySQL - For clients' and configurational data management

Application includes mainly following features,
Point of Sale (POS), Dine In Ordering, Kitchen Display System, Online Ordering, Dashboard

Technical Aspects of Application
Front end is being developed on **React Native**.
API is developed on **ExpressJS**.
Only authorized users and clients are allowed to access the App through Login form therefore authentication is being done through **JSON web Token**.
Potential clients can also subscribe to the services through an online subscription form.
To ensure clients' passwords secure **"Hashed"** text is stored in the database.
As the app support different users Role i.e. Cook, Cashier, Waiter etc. Hence Role based access authorization to the different screens has been ensured.
At backend, **Middlewares** are used for Token Verification, Authorization and Params Verification.
To manage clients' uploading, **Multer** middleware is being used.
To Keep the code clean, **Express Routers** have been used.
Setup screens with Forms are available in the app. So that Admin can only Add Categories, Add Items, Add Customers etc subsequent to form validation which is being ensured through **Formik** and **Yup** libraries.
Application allows cashiers to deal with 3 different customers at a time. To maximize app performance and to minimize server requests, **React Hooks** and **AsyncStorage** (Native Local Storage) have been utilized for client info storage and in progress cart data.

Libraries and Tools Used For The Development
React Native (Expo), Formik, Yup, React Hooks, ReactQuery
NodeJS, ExpressJS, JSON Web Tokens, Multer, Express Routers, MySQL
Visual Studio Code, Android Studio (For Virtual Android Device), GIT, Github

Github Repositories

FrontEnd: https://github.com/NasirKhatri/InStoreOrderFrontEnd
BackEnd: https://github.com/NasirKhatri/InStoreBackend