KARTIK CHAWDA

Web Developer | Android Developer

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RELEVANT SKILLS

Android • Java • Kotlin • Bootstrap • JavaScript • React • React Native • Next.js • Git • AWS Amplify • Android Jetpack • PHP • TypeScript

PROFESSIONAL EXPERIENCE

ECARMA - Common Area Maintenance Experts, Bengaluru, India
Frontend Developer
October 2021–Present

- Developing ECARMA Management website using **Next.js and Typescript**. With the help of **GraphQL** microservices, we are connecting backend building interfaces for backend and frontend communication. Using **Storybook** for building UI Components and pages for easier UI Development, testing, and documentation.

Admire Asia, Pune, India
Freelancer Software Engineer – Full Stack
October 2021–Jan 2022

- Admire Asia is a Luxury Travel Company that plans luxury trips in Asian countries.
- Developed the landing page for Admire Asia where users can plan trips for themselves and get details regarding the company.
- Designed Admin Panel used by the company to manipulate their App's data and follow their business metrics.
- Tech Stack and Frameworks: **HTML, CSS, JavaScript, React, Context API, Next.js**
- Website: **Click Here**

Primary Health Centre Piliv, Solapur, Maharashtra, India
Volunteer Software Developer
April 2020–July 2020

- ASHA is a government body which takes survey across different areas and collect information of families and on analysis they provide different Government schemes to eligible families.
- Authenticated ASHAs using **AWS Amplify** and then ASHAs can enter/update family details.
- **GraphQL API** helps the app to connect with the backend. **Retrofit** was used to call GraphQL API from the Android app.
- CHW Admin Panel Website which provides analysis of health details of families which helps them to take necessary actions during an emergency.
- Tech Stack and Frameworks: **Android, Java, AWS Amplify, Retrofit, Apollo GraphQL.**
- Demo: **Click Here** GitHub: **Click Here** Certificate: **Click Here**

PROJECTS

Smart Irrigation System App

- Nareshwadi Learning Centre has 12-acre farm where underground water supply is connected. Employees working over there manually operates water flow in the farm. They wanted to Automate the farm.
- **AWS Amplify** Authentication was set up where on Cognito Userpools, users are added manually and their details are mailed.
- API Exposing **Lambda Function** secured with AWSAuth is called to render the list of Active Valves.
- Using **AWS Pub/Sub** Messaging, pump ON/OFF request is published and valve gets ON or OFF.
- Tech Stack and Frameworks: **Android, Java, AWS Amplify, AWS Pub/Sub, AWSAuth**
- Demo: **Click Here** GitHub: **Click Here**

Measure Visual Acuity (MVA)

- Visual Acuity (clearness of vision), usually measured by an eye doctor using a eye chart. You have to visit eye center and then Doctor measures your visual acuity. MVA helps to calculate Visual Acuity of Patient at Home.
- Display App: Socket Connection which receives letters from the backend and is displayed on the screen. The patient read those letters.
- Remote App: Sends letter requests and the server sends letters to both apps.
- Patient read the letters on Display App and accordingly Volunteer marks whether read letter is correct or not.
- Based on these inputs Visual Acuity is calculated by the Android app.
- Tech Stack and Frameworks: **Android, Java, Socket.io, Retrofit**
- Demo: **Click Here** GitHub: **Click Here**

EDUCATION

K.J. Somaiya Institute of Engineering and Information Technology, Mumbai, India *June 2021*
B.E. Computer Engineering (GPA: 8.77 / 10)

ACHIEVEMENTS

- Winner of Smart India Hackathon (Software Edition), 2019 conducted by AICTE.
- Selected for Regional Convention of AICTE-Chhatra Vishwakarma Awards ’19.
- 1st prize under Societal Category for the concept “Vehicular Ad-Hoc Network and IoT” in Idea Competition organized by KJSIEIT-IIC.
- Winners of DEVSOC 2021 organized Vellore Institute of Technology, Vellore, Tamil Nadu where we presented the Measure Visual Acuity Project.