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# K Teja

Senior Software Engineer with 6.8 years of experience building scalable, user-friendly applications. Proficient in Angular, Ionic, React, React Native, NodeJS, Firebase, and MEAN/MERN Stack. Skilled in designing intuitive UI/UX and delivering high-performance mobile and web apps.

## EMPLOYMENT

Sept 2022 – July 2024

**SENIOR SOFTWARE ENGINEER** – ACL Digital, Bangalore.

Worked as a Mobile Developer Contractor for Virgin Pulse on the Transform project through ACL Digital.

### TRANSFORM MOBILE APPLICATION

- + Developed and maintained Virgin Pulse's **Transform** app, a comprehensive digital diabetes prevention program for iOS and Android, featuring health tracking, Fitbit integration, and personalized coaching feedback.
- + Ensured compliance with **WCAG accessibility standards**, enhancing the app by improving focus management, ARIA roles, and accessible UI elements.
- + Resolved numerous critical bugs across multiple platforms, elevating functionality and UX by addressing app crashes, login issues, and blank screens. Conducted code reviews to ensure code quality and adherence to best practices.
- + Implemented new features such as the ability to download audio files. Updated the Android and iOS applications to meet their respective store policies. Upgraded the app to the latest **Ionic V7** and **Capacitor V5**.
- + Managed the web and mobile app deployment process to the **Play Store** and **App Store**, ensuring multiple production releases without downtime.
- + Authored a white paper on **Hybrid Mobile Application Development** on behalf of ACL Digital, showcasing expertise and thought leadership in the field. [Whitepaper](#)
- + Utilized JIRA, GitLab, BitBucket, LogRocket, Kibana, Xcode, and Android Studio. Deep understanding of WCAG guidelines and their implementation.

### TRANSFORM WEB APPLICATION

- + Developed and maintained the **Transform Web Application** using **Angular** and **Angular Material**, adhering to best practices for scalable and maintainable web development.

July 2022 – Sep 2022

- + Applied **WCAG principles** to enhance the accessibility of the web application, ensuring compliance with accessibility standards.
- + Utilized tools such as **Axe DevTools**, **JAWS**, and **Macbook VoiceOver** for accessibility debugging and testing.
- + Added accessibility features to dynamic content, improving user interaction and overall accessibility.
- + Resolved UI accessibility issues, creating a more inclusive web experience for users across different platforms and devices.

**FREELANCER** – Gurukul CA Academy, Vijayawada.

- + Led the development of an educational application for chartered accountants, integrating file management for admin and student users across mobile and web platforms.
- + Developed and deployed the application for Android, iOS, and the web, utilizing Ionic Framework, Capacitor, and Firebase.
- + Implemented chat functionality, State Management, Firebase Authentication, and responsive designs for seamless cross-platform usability.

May 2022 – July 2022

**FREELANCER** – IKAEE

- + Led the development of two hybrid and one native mobile application, working with Wi-Fi Direct, Bluetooth, and USB to enable file transfers between devices.
- + Built a **Cordova Plugin** for Android that works with **Wi-Fi Direct** to transfer files from one device to another, enabling seamless device communication.
- + Integrated encryption libraries to secure files stored locally, enhancing data security across devices.
- + Utilized Angular, Ionic Framework, React Native, and SQLite for development.

April 2022 – May 2022

**FREELANCER** – MetaMechX

- + Led the development of a web and hybrid mobile application, focusing on modularization, lazy-loading, and implementing reusable UI components.
- + Built the backend using NodeJS and MongoDB, and ensured secure storage for user data.
- + Technologies: Angular, Ionic Framework, NodeJS, MongoDB, Express Validators.

Jan 2021 – April 2022

**ENGINEER** – Koach AI Technologies Pvt. Ltd.

- + Developed the **Pocket Koach** Admin Application and **EzeeSkill** mobile app, integrating modular, reusable code and components with secure SQLite CRUD operations and responsive UI elements.
- + Implemented backend functionality using NodeJS, AWS EC2 and S3, MongoDB, and MariaDB, optimizing data retrieval and storage processes.
- + Worked with Data Structures and Algorithms (DSA) to enhance application performance and efficiency, ensuring optimized processing of complex operations.
- + Deployed the app using AWS for seamless performance across multiple platforms.

Oct 2020 – Nov 2020

- + Leveraged Angular, Ionic Framework, Cordova, Capacitor, SQLite, Ionic Secure Storage, NodeJS, MongoDB, MariaDB, AWS S3, and PM2.

#### **PRODUCT DEVELOPER** – Houm Technology Singapore Pte. Ltd.

- + Developed the hybrid mobile app **Houm** for group video calls, focusing on optimizing the UI for chat functionality and responsive video calling layouts.
- + Enhanced code modularity and reusability, optimizing performance for the hybrid app.
- + Technologies: Angular, Ionic Framework, SQLite, Secure Storage, Ionic Native Plugins.

March 2020 – Sept 2020

#### **ASSOCIATE** – Sabado Technologies Private Limited

- + Developed the **DigiGo** app for GE Healthcare, a platform allowing caretakers to follow instructions from GE and hospital specialists. Integrated accessibility features and enhanced user experience.
- + Worked on a healthcare domain project called **Ceras** for Ceras Health using Angular and Angular Material. My core responsibility in Ceras was to build a responsive web app from the Ceras Healthcare UI Kit, retrieving data from the backend and displaying it in the web app.
- + Utilized Angular, Angular Material, Bootstrap 4, and Ionic Framework to build scalable solutions.
- + Individual Developer for both DigiGo and Ceras.

May 2019 – May 2020

#### **CONSULTANT AT GE HEALTHCARE** – Sabado Technologies Private Limited

- + Worked as Consultant to GE Health on behalf of Sabado Technologies Private Limited
- + Built a hybrid mobile application called **Digital Expert** and deployed it on the Microsoft Store. Digital Expert is a scheduling app for managing end-user telepresence clinical application training on GE Healthcare products.
- + Also, Refactored Digital Expert from Ionic to React Native, enhancing performance and compatibility across platforms.
- + Technologies: Angular, Ionic Framework, React Native.

April 2019 – March 2020

#### **ASSOCIATE** – Entransys Private Limited

- + Developed **Minerva** a hybrid mobile app and PWA for GE, enabling sales executives to access government data and private tender information.
- + Implemented new UI designs, notifications, and bug fixes in existing applications of **GE Stats**.
- + Technologies: Angular, Bootstrap 4, Ionic Framework, Firebase, NodeJS.

May 2018 – March 2019

#### **FREELANCER** – GDWKCG, Andhra Pradesh

- + Led the design, development, and implementation of graphic layouts, managing up to four projects concurrently.
- + Developed hybrid mobile apps using Ionic Framework and integrated functionalities such as PDF Generator, Hot Keys, SQLite, BLE, and Firebase.

Feb 2018 – May 2018

**WEB DEVELOPER INTERN**– Pickcel (Lane square Technology Pvt Ltd)

- + Developed Pickcel Enterprise, a web and hybrid mobile application allowing clients to schedule and publish content for Android TVs, integrating multimedia content and providing a responsive UI.
- + Utilized Angular V4, and Ionic Framework.

**SKILLS**

HTML	CSS	Bootstrap	TailwindCSS
JavaScript	TypeScript	Angular	Angular Material
Ionic Framework	React	React Native	NodeJS
MongoDB	MySQL	MEAN Stack	MERN Stack
Firebase	Adobe XD	Figma	Git
JIRA			

**ACHIEVEMENTS**

- + Optimized Virgin Pulse app, **reducing app crashes by 35%** and strengthening app engagement through effective bug resolution.
- + Led WCAG accessibility implementation across mobile and web apps, resolving critical issues like ARIA roles, focus management, and meaningful labels.
- + Implemented secure file transfer solutions using Wi-Fi Direct, USB, and Bluetooth, facilitating seamless data exchange between multiple devices in the Android Native mobile application.
- + Built an Android Cordova Plugin that works with Wi-Fi Direct to transfer files from one device to another.
- + Successfully delivered multiple applications across platforms, maintaining a 100% on-time delivery rate with minimal downtime.

**EDUCATION**

2017

**BACHELOR OF TECHNOLOGY**– Yogananda Institution of Technology and Science

- + Computer Science and Engineering
- + 61%.

2013

**BOARD OF INTERMEDIATE**– NRI Junior College

- + 64%.

2011

**SECONDARY SCHOOL CERTIFICATE**– Sree Vidyanikethan International School

- + 68%.