

VENKATA KARTHIKEYA

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EXPERIENCE: 9 years in frontend development of mobile and web apps using React (5 years) and Angular (4 years).

KEY SKILLS: Problem Solving, Decision Making, Project Management

SOFTWARE SKILLS: React, Angular, Vue, Next Js, Javascript, Typescript, HTML, CSS

WEBSITE: venkatkarthikeya.vercel.app

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EDUCATION

INDIAN INSTITUTE OF TECHNOLOGY, IIT KHARAGPUR

B.Tech & M.Tech (Dual Degree) in Ocean Engineering

KHARAGPUR (2010–2015)

PROJECTS AND EXPERIENCE

ASPYR AI LABS

HYDERABAD (JUNE 2024 – NOV 2024)

- GPO SALES & AUDIT WEBAPP

- *Context:* A sales app and audit web application for a group purchasing organization and its members to track and audit their monthly, quarterly and yearly sales. (Domain: Health/Finance)
- *Role:* Frontend Development Team Lead with tasks including design, development and deployment of the web application.
- *Tech Stack:* React, Next js, Typescript, Docker, Git, V0.dev
- *Key Achievements and Challenges overcome:*
 - Improved the GPO's and its members' ability to track their medicine sales category-wise which was previously done using excel.
 - Added the ability to manage team and locations of dispensaries which wasn't available to them earlier.
 - Managed development including creating website design which matched their existing tools for analysis used in excel, by creating custom data-table and graph components and deployed the app to their existing static website.

AMEYAM CONSULTANCY SERVICES

HYDERABAD (JAN 2023 – MAY 2024)

- SPRINT RETROSPECTIVE TOOL

- *Context:* An internal tool for a client to conduct and manage Sprint Retrospective meetings.
- *Role:* Frontend Developer (Solo)
- *Tech Stack:* React, Next js, Git
- *Key Achievements and Challenges overcome:*
 - Designed the website after researching various tools used at major companies.
 - Added the ability to manage teams for Project Managers and create retrospective meetings with notifications for each member and share-able links directly to the meeting which only open to members of the meeting. Achieved this using Route guards.
 - Designed Kanban style board for the meeting page where members can add to specific categories like “what went well”, “what went wrong”, “backlog”, “to-dos in next sprints” etc.
 - Added drag and drop facility for the items in above boards and reactions (likes and +1’s) from team members.

PROJECTS AND EXPERIENCE (CONT'D)

04S (EVATO TECHNOLOGY PVT. LTD.)

GURGAON (APR 2022 – JAN 2023)

- MARK SERIALIZER AND LABEL PRINTER

- **Context:** A Label printer web application for printing labels and serializing those labels with the products sold using Serializer web application (Domain: Retail/ Warehousing)
- **Role:** Individual contributor for Frontend development team.
- **Tech Stack:** Vue js, Git
- **Key Achievements and Challenges overcame:**
 - Managed the working of both separately hosted but functionally linked web applications made on two different versions of a frontend framework (Vuejs 2 & 3)
 - Worked on creating common component library that can be used across multiple products of the company.
 - Improved performance of the various components like combo box (select) using search inside select and loading options (usually thousands of products across all clients) based on search parameter. This reduced page load times significantly (from 15 sec to 1 sec) by decreasing amount of data loaded on page startup and lazy loading components.

PROMSOCIAL

HYDERABAD (OCT 2019 – MARCH 2022)

- PROMSOCIAL MOBILE APP

- **Context:** A mobile app for Prom going users in the USA to share, manage and organize their prom experience (Domain: Social Networking)
- **Role:** Offshore **Team Lead** with tasks including the managing the development team and work with design team, develop and deploy the mobile application to Android and iOS stores
- **Tech Stack:** Ionic Framework with Angular, Firebase, PHP, Laravel, AWS (S3, EC2), Svn, Xcode.
- **Key Achievements and Challenges overcame:**
 - Implemented multiple social media modules like News Feed, Messaging, Notifications (Push and In-App), Tinder style for Prom Match making, Image gallery, Voting for Prom King/Queen etc., Market store catalog, Blogs.
 - Setup the deployment process using Jenkins along with Dev Ops Team which reduced the update time from Code to Store ready (Android and iOS) version in 1 day to 2 hours.
 - Improved performance by using various optimization techniques like loading images from cdn, saving images in different formats to load lower resolutions whenever required, loading scrollable content with infinity scroll etc. Load time of feed and images reduced by 70%.
 - Utilized firebase realtime database to load new posts instantly in the user's news feed, created a middleware that works between MySql and firebase databases to achieve this.

- PROMSOCIAL WEBSITE

- **Context:** A website to showcase PromSocial app and a place for store owners to subscribe and update their catalog, a place for content writers to create and edit their blog.
- **Role:** Offshore **Team Lead** with tasks including the managing the development team and design, develop and deploy the website.
- **Tech Stack:** React, Stripe API, AWS Cloudfront.
- **Key Achievements and Challenges overcame:**
 - Overlooked development of Landing Page screen with pixel perfectness w.r.t design.
 - Researched and chose Stripe payment platform for its easy integration of multiple Subscription type plans (monthly, quarterly, yearly) for Store owners.
 - Implemented blog post creation page which helped content writers to post their ideas exactly how they wanted to App by showing them how it looks in the App directly in website.

PROJECTS AND EXPERIENCE (CONT'D)

AD3I SOFTWARE SOLUTIONS (VERISK)

HYDERABAD (JUNE 2015 – SEP 2019)

- **INVOICE TRACKER APP**

- **Context:** An internal mobile app for resources to update their hours (Domain: Finance/Invoicing)
- **Role:** **Team Lead** with tasks including the managing the development team and design, develop and deploy the mobile application to Android and iOS stores
- **Tech Stack:** **Ionic Framework** with **Angular**, Andorid, iOS.
- **Key Achievements and Challenges overcame:**
 - Created a card-based design which translated grid style input available in website to mobile view perfectly and helped resources to view their hours in a better way.
 - Used Open vpn api to login because the website wasn't accessible to outside of vpn network, which helped resources to input their hours directly from the comfort of mobile app.

- **MRS INTERVIEW APP**

- **Context:** A tool for call center tele callers to get information from the customers and underwriters to take decision on customer policy cases. (Domain: Insurance)
- **Role:** **Individual Contributor** working on implementation of reflexive questioning where next questions to the customer changed on their previous answers across whole interview which has multiple step-based pages.
- **Tech Stack:** **Angular**, RxJs, **Socket IO**.
- **Key Achievements and Challenges overcame:**
 - Created a working rule engine where questions are updated based on existing interview Json, updated the data in the web view using RxJS Subscriptions and created new form field components using factory design.
 - Implemented real time updates using Socket IO to factor in data from external sources as soon as they are received during the interview.

- **SNAIL RUNNER**

- **Context:** A 2d mobile game like flappy bird (Domain: Gaming)
- **Role:** **Team Lead** overseeing end to end development.
- **Tech Stack:** Cocos 2d js, Android, iOS
- **Key Achievements and Challenges overcame:**
 - Created a game engine that takes care of updating scores, object movements.
 - Configured App Store and Play Store to accommodate in-app purchases.

- **AUTOMATIC REGRESSION TEST SUITE**

- **Context:** Complete automation of regression test suite of internal insurance-based web application using selenium java framework (Domain: Insurance)
- **Role:** **Individual Contributor (Solo)**
- **Tech Stack:** Selenium, Java, **Regex**
- **Key Achievements and Challenges overcame:**
 - Implemented test cases, total of 76, spanning complete regression testing scenarios.
 - Each test case runs separately on the browser automatically and works just as the manual tester does which can be supervised while testing.
 - Reduced testing time for manual testers from 6 hours to just 1 click.
 - Reduced time to deployment of new releases from 12 hours to 3 hours.