
MEHER GILL | FULLSTACK ENGINEER

<https://github.com/meherGill>

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SKILLS

- **Frontend-Frameworks**
 - **React:** Vite, CRA, Next JS
 - **Astro**
- **Mobile**
 - **Hybrid:** React-Native, Flutter
- **CSS Libraries**
 - **Web:** Tailwind, Material UI, Styled Components
 - **Mobile:** Native-base
- **Cloud**
 - **Azure:** Azure Fundamentals Certified
- **Languages**
 - Javascript (ES6), Typescript, Python,
- **Database:** MySQL, Firebase, Mongoddb
- **Backend-Frameworks**
 - **Express JS:** Node
- **Agile Methodology**
 - Ran Standup and retros
 - Client-Facing Communication Expert.
 - Team worker

PROFESSIONAL EXPERIENCE

HCLTech, Contracted to ANZ

Fullstack engineer | 2023 - current

- Developed a dashboard for managing broken payments with an approval-based workflow. (React | Express | MongoDB)
- Introduced a compact suffix trie for client-side caching, enabling a search component 45x faster than naive methods, significantly enhancing customer experience.
- Built a custom Tree View component to visualize XML data, reducing comprehension time by parsing XML into a JS object and recursively rendering it.
- Implemented custom drag-and-drop functionality from scratch to overcome outdated libraries and React 16 constraints, improving usability in a microapp.
- Created a schema-driven workflow using server-side JSON to dynamically generate UI components on the client side for patterned dynamic UIs.
- Maintained a global payments search platform combining ElasticSearch and Oracle DB, supporting ANZ staff with domain expertise in end-to-end payment workflows. (React | ElasticSearch)

Publicis Sapient

Frontend engineer | 2020 - 2023

- Developed a Task Management System for Essential Energy, enabling workers to view weekly tasks on mobile and managers to assign tasks via a web dashboard. (React | TypeScript | React Native)
- Sole developer for a critical bid, securing a multi-million dollar project for Sapient, contributing to significant business growth.
- Implemented key features like camera functionality (using react-native-vision-camera), efficient caching (AsyncStorage, redux-persist), polling, and API/component development based on strict wireframes.
- Mentored and onboarded new graduates, fostering collaboration and knowledge-sharing within the team to drive success.
- Developed a gesture-based app to control Microsoft Teams actions using OpenCV and Google's Mediapipe, enabling actions like muting via hand gestures. (Python | OpenCV | Mediapipe)
- Built a Social Pairing App to enhance networking in the office, using a modified Dijkstra's longest path algorithm to intelligently match individuals based on department, role, and interests. (Python | Power Apps | Azure)

Miscellaneous

- **Hackathon #1:** Part of a global AEM hackathon where I was in charge of developing the frontend. We came 1st and were awarded with the best overall solution
- **Hackathon #2:** Part of a company-wide global hackathon where we made a solution using Next JS and were part of the finalists.
- **Hackathon #3:** Part of another company-wide global hackathon where we made a solution using react-native, native-base with Chat GPT integrated chatbot and we were the semi finalists.

EDUCATION

Bachelor of Software Engineering (Hons) | July 2016 - July 2020

Monash University

References available upon request