RAMKUMAR SRIDHAR

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Skills _____

- HTML/CSS | JS | React | NodeJS | Webpack | Git | Redux | Express | Webpack | Tailwind | Next.JS | Jest | JMeter | Linux | Mercurial

Work Experience _____

Software Engineer   **ServiceNow**   **10/2023 - Current**

- Working as a Fullstack Developer for the UI Builder team, specializing in crafting **customizable components** and Forms.
- Successfully implemented an **attachment component** with seamless integration for **OneDrive** and **Google Drive** support.
- Proficiently authored **unit tests** for multiple components to ensure robust functionality and code reliability.
- Utilized ES6 Javascript with React for frontend, Java for backend and Jest for unit testing amongst others.

Member Technical Staff   **Zoho Corporation**   **04/2020 - 10/2023**

- Implemented **webpack** for bundling static assets, resulting in improvement of **initial landing page** loading to less than **1.2 seconds**.
- Improved overall application **performance** by implementing on demand and batch loading across the product, reducing the loading time and overall DOM size resulting in **faster loading** and reduction in DB querying.
- Developed customizable **permission** based reports and feature **access** for the product allowing the admin's to create custom roles for users. Re engineered reports sharing and listing which resulted in increasing the speed by over 30%.
- Shipped **Entity Relationship diagram** generation using OGDF library and further improvised it by using **webassembly** which resulted in reducing the generation time by over 300% for larger workspaces.
- Integrated **OpenAI** with the data generation engine for **automatic query generation** and improvising formula based column generation.
- Built the **client end performance logging tool** using performance API, automating the diagnosing efforts completely.
- Contributed to achieving WCAG-2.1 AA **accessibility** rating and was also part of the team that implemented **Dark mode** & **RTL** support.
- Mentoring a team of 4 individuals, assigning tasks and conducting periodic reviews of their code and performance.
- Utilized ES6 Javascript with React, webpack, Node.js for frontend, Java for backend and Jest for unit testing amongst others.

Associate Software Dev   **Robert Bosch Engg & Business Solutions Pvt Ltd**   **07/2019 - 04/2020**

- Worked in ultrasonics based assistive car parking team, North American division
- Assisted in sensor data measurement and conversion for the Control unit of car
- Implemented **unit testing** of data conversion process and helped in **mainframe integration** testing
- Completely **automated** the sensor data conversion test flow, was used during pandemic remotely without any intervention.

Software Developer Intern   **Ghost Vision(IIT Madras)**   **03/2019 - 06/2019**

- Was part of an AR based application development team working in **image processing** and IMU sensor based position detection.
- Implemented image processing and **movement detection** for **frame based** deployment of unity rendered models in real time
- Integrated movement measurement unit (IMU sensor based) for **position tracking of mobile phone** / headset in real time.
- Initiated the frames processing module to **detect surface level features** using object detection algorithms

Education _____

Bachelor of Engineering   **Anna University**   **07/2015 - 05/2019**

- Majored in Electrical and Electronics Engineering
- Coursework projects : Reclaimer derailment prevention, Voice Controlled Home Automation, Congestion Control in Networks using Fuzzy logic

Projects _____

- **E-Commerce (admin & user):** E-Commerce page for admins and customers with a list of features using React, Next.JS and tailwind
- **Spotify clone:** Spotify clone with playlists, album and track listing along with play pause and seek using React, Next.JS and tailwind.
- **Modern Portfolio:** Fully responsive portfolio page using React, NextJS, tailwind and Framer motion
- **Food delivery app:** Full stack food delivery app using React, express and firebase
- **Hoo bank landing page:** Fully responsive landing page for a payments company designed using React and tailwind

Others _____

- Volunteered as an NSS cadet for teaching and cleaning of government village schools nearby Chennai
- Managed department symposium as Sponsor coordinator by indulging with sponsors and convincing them to donate for our symposium