

# RAMKUMAR SRIDHAR

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## Skills

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

## Work Experience

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### Member Technical Staff

### Zoho Corporation

04/2020 - Current

- Implemented bundling of static assets using **webpack**, which led to **faster** initial **loading** and reducing overall asset size. Bringing the loading time of landing pages to less than 1.2 seconds. Also introduced Static Site Generation leading to performance gains.
- 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 also 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

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### 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

### Higher Secondary Education

### Prince Matriculation Hr Sec School

05/2013 - 04/2015

- Major in Computer Science and Mathematics
- Scored 96.5% in the state level examination and was the department topper

## Projects

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- **E-Commerce (admin & user)**: E-Commerce page for admins and customers with a list of features using React, NextJS and tailwind
- **Spotify clone**: Spotify clone with playlists, album and track listing along with play pause and seek using React, NextJS 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

## Mentorship

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- **Computer Science Tutor**: Helped junior students for interview prep and taught them basic DSA and JS concepts

## Others

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- 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