

# Karthikeyan Ranasthala

Senior Software Engineer with 4+ years of experience in leading diverse remote tech team and building server rendered, SEO focused, performance centric and beautiful applications that deals with live stock price stream and heavy frontend computation.

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## EXPERIENCE

### smallcase, Bengaluru (Remote)

January 2020 - Present

Senior Software Engineer 1, Oct 2022 - Present

- Leading a team of 4 engineers in the Tickertape's Invest TransTrack pod that primarily deals with Transactions and Tracking of stocks and mutual funds.
- Rewrote a Next JS application to Astro which reduced the JS bundle size by 90% and deterministic content hashing helped reduce the cloud cost by 60%.
- Actively interviewed and hired Engineers across all levels to scale the Frontend team 4 fold, to 12 Engineers.
- Architected a monorepo with TurboRepo for storybook and Next JS apps to use in a path based multi-zone setup.

SDE 2, April 2022 - September 2022

- Rewrote Tickertape's Auth & handled session refresh with service workers (workbox)

SDE 1, January 2020 - March 2022

- Joined Tickertape team as the 2nd Frontend Engineer and individually contributed in building end-to-end features from scratch like Tickertape's Screener, Portfolio, Watchlist, Stock Deals.
- Introduced Content Security Policy to all our SSR and CSR applications with Cloudfront Edge Functions.

### Masai School — Full Stack Developer Trainee

August 2019 - January 2020

## EDUCATION

### B. Tech in Electrical Engineering — April 2018

Vignan's Institute of Information Technology, Visakhapatnam

## SKILLS

Next JS, Astro, React JS, Solid JS, Jest & TurboRepo

TypeScript, JavaScript, HTML, CSS & Python

AWS & Cloudflare

## PROJECTS

### Depulso - [Demo](#) & [Github Repo](#)

A static site deployment platform with free depulso.site sub-domain built with Supabase, Fly.io and Cloudflare. I built a CLI, API server, HTTP proxy server and 2 web apps.

## HACKATHONS

Winner in Supabase launch week 6 hackathon, built Depulso - Easy one-click static site deployments

Runner-up in smallcase head dump hackathon, a feature that plots inflection points with stock prices to show events and news with sentiment analysis corresponding to the positive/negative inflection.

## TALKS

[Intro to WebAssembly with AssemblyScript](#) - Reactify India