

TECHNICAL SKILLS

Frontend Engineering	Javascript (ES6+), React Native, React, State managemet, Typescript, NextJS, Jest, Storybook, Expo, Babel/Webpack, GraphQL, Microfrontends, Accessibility, Localization, HTML5, CSS3, Git, Lerna, NPM/Yarn, Github Actions
Backend Engineering	.Net Core (3.x), REST, C#, F#, SQL Server, Microsoft Azure, GraphQL, NodeJS, Express, Koa, SignalR, Puppeteer, Microservices, CI/CD

WORK EXPERIENCE

Lead Software Engineer

udaan.com

08/2021 - Present

Bengaluru, India

2000+ employees. A unicorn startup that became India's largest eB2B platform

- Led complete modernization of UI infrastructure. **Migrated all CI/CD pipelines to Github Actions** from Jenkins and Azure pipelines, **migrated all private packages to Azure NPM feed** from Github, streamlined YAMLS by **de-cluttering jobs and parallelizing disjoint tasks** which improved build time and upgraded Node.js version from v8.x to v16.x across all UI repos by resolving compatibility issues.
- Udaan B2B app successfully upgraded from **React Native v0.63 to v0.70**, comprising 400+ screens and 100+ dependencies to make the app future-proof. During this process, I **tackled pesky build-time errors and crashes/ANRs**. This upgrade needed augmenting our bespoke release management system to support dual codepush tracks ensuring that users with both old and new app versions receive **compatible codepush updates**.
- Created **Bolt Design System** from ground up - A comprehensive, reusable library with primitive + complex components and foundational design elements. **Created state-of-the-art DX with Storybook and Expo** which ensured cross platform compatibility and consistent product behaviour. **Prioritized adoption**, fostering collaboration and engagement through weekly sync-ups. Strictly avoided bloating.
- Revamped home screen with brand new designs and delightful animations. **Improved P90 load time by 50%** by improving render times and aggressive image caching. Improved tab switching time by **smart prefetching**. Implemented sophisticated **telemetry** to drive monetization efforts.
- Developed cart screen from the ground up, replacing the former disjointed and cumbersome system. Introduced a seamless and reliable shopping cart experience, from **A2C to payment integration**. Dramatically improved onboarding time of new categories by crafting highly reusable and testable code, cutting the time required to add subsequent categories from two months to just about one week.
- Created a wrapper around Android's in-app updates, addressing compatibility issues by persistently nudging users to update. We **converted this capability into a generic RN library** for all Udaan apps, ensuring widespread utility. Fully explored and documented the special testing flow provided by Google for future engineers.
- Among other accomplishments, I wrote extensive internal documentation, performed a research on app performance, reduced bundle size of our web portal, managed app release cycles and addressed data safety and app content issues raised by Play Console from time to time.
- **Recognition:** Hustler (May 2023) and Game Changer (May 2022)

Contact : Siddhartha Reddy (Engineering Head) - sids dot reddy at gmail dot com

Front End Engineer

Aera Technology Inc.

11/2020 - 08/2021

Pune, India

500+ employees. Aera Technology delivers cognitive automation technology built for Fortune 500 supply chain giants

- Led a **comprehensive modernization** of our entire product codebase, transitioning from **class components to adopting 'hooks'** as the standard. Transitioned away from deprecated React APIs, intelligently used memoization by profiling bottlenecks and used virtualized lists where necessary.
- **Migrated to CRA 4.x from the old hand-rolled build system** with CRACO overrides for Webpack and Jest resulting in a lean project structure. Wrote a new webpack configuration for our micro-components.
- **Reduced bundle size, fixed FOUC, improved FCP** using common methods such as code splitting (per route), async loading of heavy dependencies. This reduced the initial JS to just 5kb from ~2mb and CSS to just 1.61kb from ~1mb.
- **Leveraged Web Workers to perform expensive operations** viz. processing an array of 50k objects.
- Evangelised adoption of react-query, TailwindCSS, styled-components, Jest and react-testing-library, Prettier, ESLint and Storybook, removed old redux boilerplate code by using rematch and removed 20+ unused packages.
- **Recognition:** Aera Star 2022 (nomination)
- **Technology:** React, Redux, Javascript (ES6+), react-query, styled-components, TailwindCSS, Design System, Micro-frontends, Webpack, Rollup, Babel, Prettier, ESLint, AG Grid, Jest, react-testing-library.

Contact : Ganesh Sundaram (Engineering Manager) - ganesh DOT sundaram AT aeratechnology DOT com

WORK EXPERIENCE

Associate Technical Lead Harbinger Systems Pvt. Ltd.

01/2016 - 11/2020

800+ employees. HSPL is a consultancy company chiefly working in HR Tech domain

Pune, India

- **Led a dynamic team of 7 full-stack engineers and QAs**, balancing hands-on contributions with overarching project delivery. Spearheaded sprint planning, mentored junior team members, and conducted technical screenings for candidates, **ensuring a blend of leadership and direct involvement** in our projects.
- Demonstrated agility in **adapting to shifting business needs**, a factor integral to the success of the team. **Upskilled in a short span** of time and became proficient in front-end, back-end, cloud, and mobile technologies.
- **COVID-19 digital transition**: Deployed a DocuSign solution in 30 days with robust API integration using JWT grant authentication, and establishing a seamless user interface, API layer, and database structure. This **ensured business continuity** by allowing digital customer onboarding.
- Delivered end-to-end solution for Order Management module using Zuora **that handled millions of dollars in revenue**. Single-handedly implemented UI for the entire "checkout" experience and oversaw backend development.
- **Swiftly mastered backend development**. Grasped the architecture, wrote CRUD ops, worked with real time notifs (SignalR), wrote CI/CD pipelines and background jobs, conducted bug-bash sessions and piloted UAT and prod releases. Developed a React Native app (later discontinued) which garnered around 1K downloads.
- Revamped Employer Branding module using **Puppeteer to generate downloadable assets** (png, jpg, pdf). Reduced subsequent asset generation time from 20 seconds down to ~1 second using simple caching (90% faster).
- Mentored both junior and senior developers, inspired the team to excel, and led guidance for over four campus batches.
- **Recognition**: Distinguished Contributor (December 2016), Superstar Developer (April 2017) and Distinguished Contributor (July 2018)
- **Technology**: *React, React Native, GraphQL, react-query, styled-components, TailwindCSS, Webpack, Design System, Prettier, ESLint, .Net Core, C#, F#, XUnit, SQL Server, Microservices, Microsoft Azure.*

Contact : Priyank Khamitkar (Project Manager) - priyank DOT khamitkar AT gmail DOT com

RECOGNITION

Hustler (May 2023)

udaan.com

Game Changer (May 2022)

udaan.com

Nomination - AeraStar (April 2021)

Aera Technology

Superstar Developer Award (April 2017)

Harbinger Systems

Distinguished Contributor Award (July 2018)

Harbinger Systems

Distinguished Contributor Award (February 2017)

Harbinger Systems

OSS AND IN-HOUSE SESSIONS

OSS: react-boilerplate (05/2016 - 05/2017) [↗](#)

Slides: Functional Programming with F# (2018) [↗](#)

Slides: React and Redux for beginners (2017) [↗](#)

Many internal training sessions at Harbinger

EDUCATION

Master of Computer Science
Pune University

05/2014 - 05/2016

"Outstanding" grade

Bachelor of Computer Science
Pune University

05/2011 - 05/2014

First Class

INTERESTS

Mentoring

Fitness

Reading

TV Shows

Classical Music

Movies

Spirituality