MAHESH PRATAP

SENIOR SOFTWARE ENGINEER

CONTACT

- (+91) 9873088432
- mp1995singh@gmail.com
- https://mpratap.vercel.app
- RZ-71 Panchsheel Colony, Mahavir Enclave P-3, New Delhi - 110059

SKILLS

Languages: Javascript, HTML, CSS

Frameworks/Libraries: ReactJS, NextJS, VueJS, JQuery, Typescript, NodeJS, Express, Bootstrap

CSS Preprocessors: SCSS, LESS

Testing: Jest, React Testing Library, CI/CD

Tools: Git, Storybooks, MQTT, WebSockets

Methodologies: TDD, Agile, Scrum

Architecture: Micro Frontend, Microservices

APIs: REST, GraphQL

Containerization: Docker

EDUCATION

Bachelor of Technology (CSE)

Amity School of Engineering & Technology (GGSIPU), Bijwasan

2014-2018

During my time at the college, it was affiliated with GGSPIU. Subsequently, the college merged with the Amity campus in Noida.

LANGUAGES

English
Hindi

PROFILE

Senior Software Development Engineer with **6+ years** of frontend experience, specializing in **UI/React**. Currently at **Nykaa**, possessing extensive expertise in React and frontend technologies. Skilled in e-commerce and Agile, with a proven track record in leading full-stack feature development and mentoring teams. Passionate about creating intuitive user interfaces and driving business growth through technology.

PROFESSIONAL EXPERIENCE

Senior Software Engineer

Nykaa   Mar 2022 - Present

- **EDNA**
  - An in-house tool made as a replacement for magneto to handle all the cataloging needs of Nykaa Beauty, Nykaa Fashion and Nykaa Man.
  - Created and maintained technical documentation, initiated feature KTs, reducing onboarding times by 20% for new developers.
  - Designed and built a reusable component library, integrated **Storybooks**, reducing development time by 40% for new projects.
  - Implemented **Jest & RTL** for unit testing, achieving 100% coverage for shared components and maintaining a 0% frontend production error rate for 1.5 years.
  - Overseeing the frontend development and mentoring a team of 5+ fullstack developers.

- **Retail POS**
  - Optimized frontend infrastructure by transitioning from the **Cloudflare → ALB → ECS → Nginx → User** flow to a streamlined **Akamai → S3** setup. This enhancement led to an impressive 80% decrease in deployment time, reducing it from 10 minutes to just 2 minutes.
  - Crafted UI/UX, organized folder structure, and planned project architecture for an in-house project involving booking assets in Nykaa's retail stores using **Next.js v13.4** with server components.
  - Integrated **OKTA** for authentication and authorisation in 3 in-house applications of Nykaa.

Senior Software Engineer

OYE! Rickshaw   Mar 2021 - Mar 2022

- **Eagle**
  - Developed a tool for tracking and monitoring e-vehicles, offering features like battery health analysis, theft detection, and real-time location tracking for over 5000 EVs.
  - Implemented **Uber's Kepler.gl** for advanced data visualization, employing MQTT to fetch real-time data and enabling efficient monitoring, leading to a 20% reduction in EV down-time and a 40% decrease in battery theft/loss.

- **Admin Panel**
  - Integrated MQTT into the admin panel, enabling remote battery swaps, and control over smart swap stations, including functionalities like door opening and station management through an intuitive panel.

- **Micro-frontend**
  - Led the implementation of a **micro-frontend architecture**, integrating multiple tools into a cohesive application using **single-spa**, resulting in a 50% increase in the operation team's productivity.
  - Addressed challenges such as shared code management, communication between micro-frontends, and **performance optimisations**.

CERTIFICATIONS

MERN Stack Front To Back: Full Stack React, Redux & Node.js

Skills: React.js · JavaScript · Redux · Node.js · Express · MongoDB

Frontend Engineer

Collegedunia Web Private Limited   Sep 2018 - Mar 2021

- **Calling Resource Management - CRM**
  - A call centre solution designed to target millions of users who have shown interest in some colleges/course through Collegedunia.com.
  - I was responsible for leading the frontend part of application, establishing **project architecture and folder structure** from inception using **React**, determining essential packages and leading UI/UX decisions to ensure optimal functionality and user experience.
  - Used **Web sockets** to show user details as soon as a call gets connected through manual or automatic dialling features.
  - This resulted in a 60% reduction in cost after this migration.

- **Mailify - An application for shooting bulk emails**
  - A proprietary email marketing and transactional email system, managing nearly 2 million daily mails.
  - Responsible for setting up the project from scratch using Laravel Blade, SCSS and jQuery.
  - Implemented a **WYSWYG** feature using the core JS and browser APIs which was required for setting up email templates.

- **Collegedunia.com**
  - Migrated our legacy codebase from Twig, SCSS and Vanilla JS to **Next.js** which resulted in 30% reduction in page load times and a 20% increase in overall application performance.
  - Introduced **git hooks** to increase linting and coding standard compliance.
  - Build memoized helper functions to access DOM elements to improve the performance while using Vanilla JS.