Mahipal Singh Senior Software Engineer

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SKILLS

FRONTEND DEVELOPMENT: • ReactJS • Redux • NextJS • JavaScript • TypeScript • PWA • Tailwind CSS • Bootstrap • Material UI • HTML • CSS
BACKEND DEVELOPMENT: • NextJS • Express • NodeJS • Laravel • GraphQL
DATABASE: • MySQL • MongoDB • LocalStorage • IndexedDB
OTHERS: • System Design • Socket.io • Jest(testing) • D3 • Youtube Data API
SOFT SKILLS: • Team Player • Team Builder • Public Speaker • Result Driven

EXPERIENCE

Rocket Learning | ReactJS • NextJS • PWA • JavaScript • Tailwind • Laravel • MySQL

Senior Software Engineer (Frontend) | *07-2020 – Present*

PWA Web App Educational Games 🔗
- ReactJS, NextJS, NodeJS, PWA, MySQL, MongoDB, Tailwind CSS, Material UI, Jest.
- Developed educational PWA games modules for low-level android devices to provide gamified educational content and track progress.
- Led 3 personal teams and communicated with the product team for product requirements and completed Pilot, alpha and beta testing on 50k children.
- Built dynamic code and admin panel to create every letter and number game quickly.

Rocket Learning Platform 🔗
- Laravel, HTML+CSS+JS, Bootstrap, MySQL, MongoDB.
- Use by internal team and government. This platform is used to interventions content and manage responses of 2 million children.
- Started development with CTO. Now having a 6-person team and I am managing 4 of them.
- Features: Intervention in more than a lakh WhatsApp group daily, Async Job, generate certificates, create worksheets, polls, report cards, quizzes in bulk (In lakhs with a few steps) and many more.
- See responses and progress in dynamics graphs with full customizations and export options and inbuilt view for each activity.
- Many features have a bulk upload option using Excel so a non-technical person can handle the platform without the need to fill out a complete form.
- Highly appreciated by NITI Aayog and many government officers.

Skilrock Technology | Laravel • CakePHP • MySQL • JWT • Web API

Software Engineer Trainee | *06-2019 – 05-2020*

Money Remittance and KYC
- Using Prebuilt APIs improve money remittance and KYC feature.

Ascent Cyber Solution | PHP • CodeIgniter • MySQL

PHP Developer | *06-2018 – 07-2018*
- Added CRUD features in LMS product.

PERSONAL PROJECTS

- **Buddy Chat Web App** | ReactJS, NextJS, Typescript, Tailwind CSS, NodeJS, Socket.IO, Framer Motion, MongoDB
  - A trusted chat web app for free, private communication with friends and family.
- **PWA Clock Web App** | ReactJS, NextJS, Redux, TypeScript, Material UI, Chatbot, Indexed DB
  - Combining diverse functionalities including analog & digital clocks, world time, multiple alarms, multiple timers, and stopwatch. Inspired by the Google Clock app.
- **Portfolio** | ReactJS, NextJS, TypeScript, Tailwind CSS, Framer Motion
  - Comprehensive in content, it presents all the pertinent details and references. Seamlessly adapts to various screen sizes and ensures optimal user experience.
- **DSA Learning Console Base App** | C++, C++ Graphics
  - A cursor-based interface. Users can navigate predefined topics, selecting and accessing details information with ease.
- **College Web App** | HTML, CSS, JavaScript, Bootstrap, PHP 5, MySQL
  - Developed MBM College website and portal for TPO.

ACHIEVEMENTS

- As the inaugural member of Rocket Learning following the CTO, I led the development of product from zero to one, achieving a user base exceeding 80,000 with a team of just three members.
- Built PWA game modules for 3 to 8 years old children and track children's learning progress and improve engagement.
- Actively involved in several social organizations.
- Currently running a small NGO to encourage rural children for education.
- Under-16 cricket player for Rajasthan.

ACTIVITIES

- Directly involved in the product finalizing process in the current organization.
- Student Coordinator in Training and Placement Office (TPO) at MBM Engineering College.
- Head Coordinator in Webbed Club at MBM Engineering College.
- A Member of the Singing Club at MBM Engineering College.
- Participated in various chess, cricket & ramp walk (winner) competitions and organized many events.

INTEREST

- Public Speaking • Self-Learning • Initiators • Fitness • Cricket • Running

EDUCATION

B.E. in Information Technology
MBM Engineering College, Jodhpur, Rajasthan
08/2015 – 06/2019

CGPA: **7.07**