Amol Patil

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PROFILE SUMMARY

I am a Software Developer with 1.9+ years of experience, specializing in building dynamic, user-focused web and mobile applications using **React.js**, **React Native**, and **JavaScript**. Proficient in front-end frameworks like **Next.js, Bootstrap, Tailwind CSS** and **Material UI**, I have a strong background in developing responsive UIs and integrating **RESTful APIs**. Skilled in database management with **MongoDB** and **MySQL**. I deliver scalable solutions while continuously adopting new technologies.

KEY SKILLS

Languages: JavaScript, java, Typescript, HTML5, CSS3

Front-End Development: React.js, React Native, Next JS, Redux, Bootstrap, Tailwind CSS

Backend Development: Node.js, express.js, Spring Boot

Database: MySQL, MongoDB

Version Control: Git, GitHub

Tools & IDEs: Visual Studio, Eclipse, Android Studio

EDUCATION

B.Tech. in [Mechanical]
SSVPS BSD College of Engineering, Dhule (DBATU)
CGPA: 9.22/10   Aug 2018 – Aug 2022

12th Grade (HSC) *Maharashtra State Board*
Percentage: 63.23%   Jun 2017 – Jun 2018

10th Grade (SSC) *Maharashtra State Board*
Percentage: 77.23%   Jun 2017 – Jun 2018

WORK EXPERIENCE

Infosys Ltd. – Pune, Maharashtra, Dec 2022 – Present

Project 1: Demand and Supply Tracker

Technologies: Next.js, RTK Query, Express.js, Node.js, MongoDB, Material UI

- Developed a **high-performance** web app with **server-side rendering** using **Next.js**, improving load times and SEO by **20%**.
- Optimized data fetching with **RTK Query**, resulting in a **15% reduction** in redundant API calls and **faster data retrieval**.
- Enhanced UI responsiveness using **Material UI**, delivering a modern and user-friendly experience.
- Designed and implemented **RESTful APIs** with **Express.js** for seamless **CRUD operations** on supply-demand data.
- Integrated **MongoDB**, focusing on **schema design** and **optimized querying** to manage high-volume data efficiently.
- Implemented secure user authentication and authorization, improving app security and access control.

Project 2: Student Learning Platform

Technologies: Expo, React Native, Spring Boot (**Front-end Developer**)

- Developed a feature-rich Android mobile application for **student learning** using **React Native**, improving user engagement by **30%**
- Designed and implemented intuitive, reusable UI components using **React Native Props, State, JSX**, and **Hooks**, ensuring the app is scalable and maintainable.
- Managed multi-level navigation using **React Native Drawer**, **Stack**, and **Tab Navigation**, allowing users to seamlessly switch between lessons, quizzes, and profile sections.
- Implemented secure user authentication using **JWT (JSON Web Tokens)**, ensuring a safe learning environment for students.
- Handled local data storage and offline capabilities using **AsyncStorage**, allowing users to access study materials even when offline.
- Enhanced performance through **code splitting** and **lazy loading** of components, reducing initial app load time by **25%**.

PROJECTS

E-Commerce web app (React.js, HTML, CSS, Bootstrap) || code || Live
Developed a fully-functional e-commerce platform allowing users to **log in, register, view products**, and manage carts.

Hospital appointment booking App (Next.js) (Frontend only) || code || Live
Built a **hospital management** system with **Next.js**, allowing users to **book appointments** and view available doctors.