Priya Maurya

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Education

- **Software Engineer**   *HCL Technology*   **(Apr,2023-Present)**
  - Contributed to designing and developing a **microservice-based** application, using **Fastify** to build highly performant REST APIs, achieving a **30%** performance boost.
  - Actively took responsibility for **2** microservices individually, and did all the setup from scratch.
  - Focused on code quality and optimization using **ESLint** and **SonarLint**, resulting in a **40%** increase in application **performance**.
  - Enhanced **MongoDB** and **Redis** database efficiency by restructuring data models and optimizing caching strategies to **80%**.
  - Utilized Swagger to document the microservices and **REST APIs** for clear and effective communication with the team.
  - Conducted performance testing with **JMeter**, simulating threads and ramp-up periods for load testing.
  - Designing a responsive UI for this application using **React, Redux Toolkit,** other libraries, and **using code splitting** and **lazy loading** to improve the **performance** by **65%**.
  - Ensured high code quality by writing comprehensive **Jest** test cases for APIs, achieving **90%** to **80%** code coverage.
  - Tools/Tech: **Node.js | Fastify | TypeScript | REST APIs | MongoDB | Redis | Jest | JMeter | Swagger | ESLint | Git | Postman | React | Redux Toolkit**
- **Graduate Engineer Trainee**   *HCL Technology*   **(Dec,2022-Apr, 2023)**
  - Enhanced user experience by developing a dynamic **dashboard** using **React.js**, enabling seamless management of IP addresses with real-time updates, reducing admin time spent on IP management by **65%**.
  - Implemented secure authentication using **JWT** and validation with **Yup** and **Formik**, ensuring a **90%** increase in login security, reducing unauthorized access incidents, successfully integrating data from an **InfluxDB** database, and using **react-toastify** for real-time notifications.
  - Optimized data display with **react-data-table**, incorporating features like search, pagination, and CSV export using react-csv, leading to **84%** faster data retrieval, and increased ease of use for administrators.
  - Enhanced scalability by efficiently handling large datasets and converting IP allocation times to local time zones with Moment.js, improving system performance and user satisfaction by **90%**.
  - Tools/Tech: **ReactJS | Redux Toolkit | JWT | InfluxDB | RestAPIs | Axios | ESLint | GIT | DHCP**

Education

Institute of Engineering and Technology(IET)   Lucknow, Uttar Pradesh
B.Tech Electronics and Instrumentation Engineering. (8.63/10)   July 2019 - Aug 2022

Skills

- **Language/Tech**: C++, Javascript, Typescript, HTML, CSS, SQL, ReactJs, Tailwind CSS, Redux Toolkit, NodeJS, ExpressJS, Fastify, MongoDB, Redux Toolkit, Redis, SCSS, Jest, ESLint, OOPS, Data Structures and Algorithms.
- **Database and Tools**: MySQL, Git.

Projects

Real-Time Chat Application   **(Oct 2022)**
(role - Fullstack Developer)
- Developed & designed a responsive web app for users to **register/login** with a username, users can search for a user and send friend requests to others, the other user will get notified and can accept the request.
- Users can create a group chat with a minimum of **3** members and a maximum of **100** members.
- Group admin can rename the Group, add members, or remove members.
- If the group admin leaves the group, then a new admin will be assigned and built an Admin dashboard to see users, messages and chats (Only accessible with a **secret key**).
- Tech: **ReactJS | Material UI | Axios | ExpressJS | NodeJS | MongoDB | REST API | Redux-Toolkit | Tailwind CSS | Socket.io| GIT | JWT**

Achievements

- Solved 300+ questions on Leetcode and 100+ on GeeksforGeeks.
- As a mentor in my college, I taught 30+ students in coding and helped them to build web development projects.