Md Emamudin

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SKILLS

Programming: C++, Typescript, JavaScript

Frameworks & Libraries: React.js, Next.js, Node.js, Express.js, Tailwind CSS, Socket.io, Redis, Kafka, Nest.js

DevOps & Tools: AWS (EC2, S3), Docker, Git, GitHub, GitHub Actions, Vercel, Prisma, Postman, VS Code

Core CS Subjects: Data Structures & Algorithms, Operating Systems, DBMS, Computer Networks, OOP, SQL

EXPERIENCE

- **Skillancer Pvt. Ltd.** ↗   *Mar 2025 - Present*
  Fullstack Developer Intern
    - Implemented caching using **Redis**, cutting average API response time from **600ms to under 90ms**, improving performance by nearly 6x.
    - Reduced database query latency by 70% through **indexing** and **partitioning** & Used **Node.js Clustering** for vertical scaling, effectively utilizing multi-core processors.
    - Developed and deployed secure, scalable backends using **JWT authentication** and **Dockerized environments** with **rate limiting** mechanisms to prevent abuse and ensure API reliability.
    - Implemented **CI/CD pipelines** with **GitHub Actions**, automating the **build and deployment** processes.
    - Designed and integrated scalable **RBAC** and **policy-based authorization** layers, ensuring secure and context-aware access to APIs based on user roles, permissions, and resource ownership.

- **Ricoz Pvt. Ltd.** ↗   *Sep 2024 - Mar 2025*
  MERN Stack Intern
    - Crafted and deployed **30+ responsive web pages** and over **120+ reusable UI components** from **Figma designs** using **React.js** and **Tailwind CSS**.
    - Implemented advanced **state management** solutions using **Context API**, **Redux Toolkit**, and **Recoil**.
    - Enhanced code **quality** and **scalability** by implementing a **modular architecture**, reducing development time by almost 30% and bugs by 15% during code reviews.

PROJECTS

- **CodeTogether - Realtime Collaborative Code Editor**   Live ↗   GitHub ↗
  React.js, Node.js, Express.js, Redis, Docker, Socket.io, CodeMirror, MongoDB
    - Developed a **real-time** collaborative code editor for seamless, **multi-user** coding sessions.
    - Enabled real-time, multi-user editing with **Socket.io**, supporting instant updates and **syntax highlighting**.
    - Built with **Docker** for environment consistency, **Redis for caching**, and MongoDB for storage.

- **ChatX - Realtime chatApp**   Live ↗   GitHub ↗
  Next.js, Typescript, Tailwind CSS, Prisma, Socket.io, NextAuth, PostgreSql
    - Developed a chat app with real-time messaging, group chats, and image uploads using **Cloudinary**.
    - Integrated **Socket.io** for real-time chat updates and deletion, boosting message delivery speed by approx 40%.
    - Enabled credential login and social login (OAuth) with Google and GitHub using **NextAuth**, increasing sign-up conversions upto 25%.

- **HomeConnect - Property Listing Platform**   Live ↗   GitHub ↗
  React.js, Express.js, Node.js, Redis, Mongoose, Tailwind Css, MongoDB
    - Engineered a Real Estate platform using MERN Stack, enabling users to create, view, and manage property listings with a responsive UI styled with **Tailwind CSS**.
    - Designed and implemented **RESTful APIs**, integrated search and filtering features, and facilitated user-landlord communication via email.
    - Integrated **Redux Toolkit** for state management improving code maintainability by almost 50% and reducing development time by approximately 30%

EDUCATION

Mittal Institute Of Technology, Bhopal   *2021 – 2025*
B.Tech in Computer Science & Engineering   **CGPA: 7.74**

ACHIEVEMENTS

- **2nd Position:** CodeQuest Coding Contest, 2024
- Solved **500+** Problems on Leetcode & GFG. ↗