

# Md Emamudin

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## SKILLS

**Programming:** C++, Typescript, JavaScript

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

**DevOps & Tools:** AWS (EC2, S3, SQS, Cloudwatch), Docker, GitHub, Bitbucket, GitHub Actions, Prisma, Mongoose

**Core Competencies:** Data Structures & Algorithms, Operating Systems, DBMS, Computer Networks, OOP, SQL

## EXPERIENCE

### ● Highway Delite

Aug 2025 - Present

Fullstack Developer Intern

- Built **DigiCi** end-to-end - A PMS & Booking Engine Platform using React, Shadcn, React Query, **NestJS** & **PostgreSQL**.
- Managed **AWS** dev environment - configured **EC2** deployments, **S3** for file storage, **CloudWatch** for centralized logging/alerts, and **SQS** for reliable async processing and retry policy of invoice and receipt generation after payment and automatic whatsapp message sending through dynamic template after successful checkIn.
- Implemented payment flows and webhook handling by integrating **Razorpay**, enabling secure transaction processing.
- Integrated **Digilocker**, Ocr and other api to auto-fill forms and perform automated document verification, reducing manual verification overhead.
- Implemented caching using **Redis**, cutting average API response time from **700ms to under 90ms**, improving performance by nearly 7x. Used in-memory caching to further optimize response time.

### ● Skillancer Pvt. Ltd.

Mar 2025 - Aug 2025

Fullstack Developer Intern

- 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**.
- 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.

### ● 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.
- 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. 