FIDHA FATHIMA M

MERN Stack Developer

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PROFILE SUMMARY

Full-Stack Developer (MERN) with strong hands-on experience building scalable and responsive web applications. Skilled in React, Node.js, Express, and MongoDB, with a solid understanding of end-to-end application architecture and deployment. Passionate about writing clean, maintainable code and developing practical solutions through self-initiated projects that reflect real-world challenges.

TECHNICAL SKILLS

- **Languages & Databases**: JavaScript, TypeScript, C, MongoDB, MySQL, HTML, CSS
- **Frontend & UI**: React.js, Tailwind CSS, Redux
- **Backend & Architecture:** Node.js, Express.js, RESTful APIs, MVC, Repository Pattern, SOLID Principles, Dependency Injection (Inversify), Mongoose
- **Devops, Deployment**: Git, GitHub Actions, AWS (EC2 & S3), Nginx, PM2
- **Tools & Design**: Postman, VS Code, Figma, Eraser

PROJECTS

LocalFix: Service Providing SaaS Application| *React, TypeScript, Node.js, Express, MongoDB, TailwindCSS, Repository Pattern*

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- Architecting a **multi-tenant SaaS platform** helping ordinary people to get home services easy as possible.
- Implemented subscription tiers with **Razorpay integration**, handling recurring payments for **3 different plans**
- Implemented **repository pattern**, **SOLID principles**, and dependency injection (**inversify**) for clean, scalable backend design.
- Implemented **Redis caching for OTP** and session management, reducing authentication latency by **~30%.**
- Added centralized error handling catching **~95%** of runtime errors improving system stability

Art Mart: Ecommerce Application | *Node.js, Express, MongoDB, MVC, EJS, AWS EC2*

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- Developed a full-stack e-commerce platform with modular **MVC architecture** and role-based authentication
- Enhanced UX by reducing page reloads by **40%** using the **fetch API** across modules like Cart and Wishlist
- Architected an interactive admin dashboard with MongoDB Aggregation and ExcelJS facilitating real-time filtering and exporting of over **10,000** transactions; sped up data processing by **60%.**
- Centralized **error handling middleware** and integrated **Morgan** for request logging, achieving improved debugging and reducing resolution time of critical issues by **50%.**
- Deployed on AWS EC2 using **Nginx reverse proxy** and **PM2** process manager with persistent MongoDB database setup
- Improved handling of **2,000+** product images via Cloudinary, cutting load times by **30%.**

EDUCATION

Bachelor of Computer Application   Nov 2021 - April 2024

Kannur University   Kannur, Kerala