

MALHARI PAWAR

Pune, Maharashtra

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Objective

MERN Stack Developer with hands-on experience building real-world applications, including Dockerized Node.js backends and React-based systems. Strong foundation in computer science with growing expertise in TypeScript, Next.js, and scalable backend development. Passionate about transforming ideas into functional, high-quality solutions through continuous learning and problem-solving.

Education

Shivaji University Kolhapur

Master of Computer Application

Dec 2022 – May 2024

Kolhapur, Maharashtra

Solapur University, Solapur

Bachelor of Computer Application

Jun 2019 – July 2022

Solapur, Maharashtra

Experience

Full-Stack Developer (Intern)

5TechG Lab LLP

Dec 2023 – Jun 2024

Pune, Maharashtra

- Optimized MongoDB queries to enhance application performance
- Utilized Redux for centralized and predictable state management.
- Established caching strategies to reduce API response times.
- Worked with TypeScript to improve code reliability and maintainability.
- Developed backend APIs using Node.js and Express.js for authentication and order processing.
- Designed MongoDB schemas for efficient data storage and retrieval.

Personal Projects

AI Code Playground — Real-Time Dockerized Code Execution Platform (In Progress)

- **Tech:** JavaScript, React.js, Node.js, Express.js, Docker, Socket.io, Chokidar, TanStack Query, Zustand
- Developing a secure coding playground capable of executing JavaScript inside isolated Docker containers.
- Implementing real-time code execution and output streaming using Socket.io.
- Integrating Chokidar to watch file changes and automatically trigger re-execution within Docker.
- Using TanStack Query for efficient server-state management, async operations, and intelligent caching.
- Managing global UI and execution state with Zustand to simplify state handling and reduce re-renders.
- Designing backend APIs for container lifecycle management, execution requests, and real-time log streaming.
- Ensuring secure sandboxed execution using Docker resource limits and container isolation.

- **Tech:** React, Node.js, Express.js, MongoDB, TypeScript
 - Developed a robust food-ordering application enabling users to browse menus and place orders seamlessly.
 - Built backend APIs for user authentication, cart management, and order processing.
 - Integrated secure JWT-based authentication and password hashing.
 - Created reusable UI components and improved frontend performance using React and TypeScript.
 - Designed admin features for managing menu items, orders, and user accounts.
 - Optimized API performance and reduced response times through efficient database querying.
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Technical Skills

- **Languages:** JavaScript, TypeScript, HTML, CSS
 - **Frameworks:** React.js, Next.js, Redux, Node.js, Express.js
 - **Databases:** MongoDB
 - **Tools & DevOps:** Docker, Git, GitHub
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Soft Skills

Adaptability, Continuous Learning, Financial Management

Certificates

React - The Complete Guide 2024 (incl. Next.js, Redux) — Udemy

Node.js - The Complete Guide (MVC, REST APIs, GraphQL, Deno) — Udemy

MongoDB - The Complete Developer's Guide 2024 — Udemy

Interests

Fitness, History, Anime, Reading Books