

Muthu Pandi R

Full-stack developer with 2 years of hands-on experience in Node.js, React.js, Laravel, MySQL, PostgreSQL, MongoDB, Redis and Firebase, Web Sockets. Strong in API integration, and database management, delivering maintainable and scalable software.

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WORK EXPERIENCE

Uplagic Technologies

Software Development Engineer

Dec 2023 - Present

- Designed and maintained a **POS and eCommerce System** using **Nodejs (Express.js) & PHP (Laravel)** and **MySQL**, integrated with **Firebase Realtime DB** for live updates.
- Revamped a legacy Rides application into a modern stack using **Node.js, React.js, PostgreSQL**, and real-time communication with **Socket.io and Redis**.
- Built and optimized REST APIs, improving performance by 30% for high-traffic endpoints.
- Managed real-time features (**ride tracking, notifications, driver updates**) with **WebSocket and Redis Pub/Sub**.
- Implemented Diabetes Appointment Booking & Doctor Consultation Platform with patient scheduling, live consultations, and digital prescriptions using **React, Node.js**.
- Created and enhanced Pharmacy Purchase, Ordering, and **eCommerce Modules** supporting inventory management, order tracking, checkout flow, and **payment gateway integrations**.

Software Development Engineer Intern

Aug 2023 - Nov 2023

PROJECTS

D SpotnRide – Taxi Booking Application

Nov 2023 – Present

Tech Stack: Laravel, React.js, MySQL, Firebase, Socket.io, Stripe, Razorpay

Maintaining and enhancing the taxi-booking platform with **real-time ride tracking** and **driver updates**.

Handled **Laravel backend** modules for **authentication, booking flow**, and **payment integration** using Stripe

Optimized MySQL queries for booking transactions, improving **API performance** for high-traffic users.

D SpotnRide – Taxi Booking Application (Revamped)

Jun 2024 – Jan 2025

Tech Stack: Node.js, React.js, PostgreSQL, Socket.io, Redis, Stripe

Completely revamped the legacy rides system into a modular architecture using **Node.js and React.js**.

Implemented real-time communication through **Socket.io and Redis Pub/Sub** for instant driver-customer updates.

Migrated from **MySQL to PostgreSQL**, enhancing scalability, query efficiency, and system reliability.

Doctor Consultation & Appointment Platform (From Scratch)

Feb 2025 – Present

Tech Stack: React.js, Node.js, PostgreSQL, Razorpay

Developing a telemedicine platform for **doctor appointments, live consultations, and digital prescriptions**.

Designed secure backend APIs and PostgreSQL schema for patient management and consultation records.

SKILLS

Frontend: React.js, JavaScript (ES6+), HTML5, CSS3, Bootstrap, Responsive Design

Backend: Node.js, Express.js, PHP (Laravel), RESTful API Design (JWT/OAuth2, Role-based Access, Third-party Integrations)

Database: MySQL, PostgreSQL, Firebase Realtime Database, Redis (Caching & Real-time Data Processing)

Real-Time Tech: WebSocket (Socket.io), Redis Pub/Sub, Live Updates, Notifications, Ride Tracking

Knowledge: Microservices Architecture, Docker, RabbitMQ, Publish-Subscribe Architecture, GitLab, GitHub, Postman, CI/CD, System Optimization, MongoDB, redux

EDUCATION

SETHU INSTITUTE OF TECHNOLOGY, VIRUDHUNAGAR

B.E (Electrical & Electronics Engineering) - 7.8(CGPA)

2019