Abilash N

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Leetcode : abilashn2001

Full Stack Developer specialized in the cutting-edge **MERN** stack technologies with a wealth of experience in architecting and implementing **sophisticated front-end experiences** coupled with **scalable and resilient back-end infrastructures**. With a relentless commitment to staying at the forefront of technological advancements, and consistently push the boundaries of innovation in web development, ensuring that my work adheres to the highest industry standards while continuously evolving with emerging trends.

WORK EXPERIENCE

Software Engineer   **July 2024 - Present**
AFC Digital Pvt Ltd   *Jayanagar, Bengaluru*

EDUCATION

MERN Stack Development   **Kochi, Kerala**
Brototype Institute   *August 2023 - June 2024*

B-Tech CSE - APJ Abdul Kalam Technological University(KTU)   **Thrissur, Kerala**
Nehru College of Engineering and Research Centre   *July 2019 - June 2023*

Higher Secondary Education - Kerala Board   **Nemmara, Kerala**
GHSS Nemmara   *June 2017 - March 2019*

School Education - Kerala Board   **Alathur, Kerala**
BSS Gurukulam   *May 2005 - March 2017*

TECHNICAL SKILLS

Frontend Development	:	React, Redux, HTML, CSS, Bootstrap, TypeScript.
Backend Development	:	JavaScript, Node.js, EJS , ExpressJS, REST API, Mongoose, JWT
Database	:	MongoDB, MySQL
Architecture	:	MVC, Clean Architecture
Deployment	:	AWS (EC2), Route 53, NGINX
Familiar	:	Data Structures and Algorithms, SQL, Firebase
Tools	:	Git, Postman, Figma, VS Code

PROJECTS

Trend Trove - Comprehensive Social Media and News Feed Platform   SOURCE CODE

Trend Trove is an comprehensive social media and news feed platform built using the **Clean architecture**. It seamlessly integrates real-time news updates into its feed alongside essential social media functionalities. The platform also features high-quality video and voice calls, instant messaging, and notifications, ephemeral stories and highlights for engaging content consumption. Secure payments through Razorpay ensure convenience, while advanced AI capabilities from Clarifai enhance user interaction by automatically generating captions from images.

* **Technologies Used:** Typescript, Node.js, Express.js, MongoDB, React.js, Tailwind CSS, Redux, Firebase, Socket.io, Git, Zustand, DaisyUI, Clarifai AI model, Zego Cloud, JWT, Nodemailer

- **Features:** Seamless user experience with high-quality video and voice calls, instant messaging, real-time notifications, ephemeral stories, and highlights. Integrated Razorpay facilitates secure payments, while admin tools ensure efficient user and post management. Users can create, share, and interact with diverse posts, stay updated with real-time news, and enjoy a comfortable viewing experience with dark mode support. It includes token-based authentication, profile management, explore pages, private/public account settings, automatic profile setup, Google authentication, user blocking/unblocking, post saving/tagging, hashtag support, password management, account suspension, and premium features. Users can engage with posts via likes, dislikes, and comments, bolstered by ReCAPTCHA for enhanced security, while admins manage users, enforce policies, and oversee post reporting and moderation. Integrated advanced AI capabilities powered by the Clarifai model to extract captions from images, enhancing user engagement by automatically processing visual content. Additionally, the platform leverages Zego Cloud for seamless video and audio calls, ensuring high-quality communication experiences for its users.

Zigma Watches - E-COMMERCE WEB APPLICATION   SOURCE CODE

Zigma Watches is an e-commerce application built using the **MVC architecture** for selling smartwatches online. It offers a seamless shopping experience with a wide range of features. Site: www.zigmawatches.shop

- **Technologies Used:** Node.js, Express.js, MongoDB, HTML, CSS, Bootstrap, EJS, Nginx, Git
- **Features:** User Authentication, Product Catalog Management, Shopping Cart Functionality, Secure Payment Processing, Product Offers and Category Offers, Coupons, Wishlist, Wallet Carts, Referral System, Razorpay Integration, Product Image Zoom, OTP-confirmation via Node-Mailer, Order Tracking, Invoice Generation, Return and Cancel Order Options, Star Rating, Banner Management for Effective Marketing
- **Admin Side Features:** Product and Category Management, Sales Reporting, User Block/Unblock Features, Visual Insights via Chart and Graph Reports
- **Hosting Setup:** AWS for Hosting, Nginx for Efficient Web Serving, PM2 for Process Management, SSL Certificate Integration for Enhanced Security

NEUTRINOS PROJECTS

Event Registration System

- The Event Registration System is a simple yet effective application designed to manage events with full CRUD functionality. This system allows users to handle all aspects of event management with ease. The search and filter features make it simple for users to find exactly what they're looking for, even in a large list of events.
- **Core Features:** Create Events, Read/View Events, Update/Edit Events, Delete Events, Search, and Filter.

Hospital Management System

- A streamlined application for managing hospital operations with modules for receptionists and doctors. Features include automated **Token Generation** based on appointment dates and doctors, and a **10-day SLA for bookings** that accounts for holidays.
- **Receptionist Module:** Department Management, Doctor Management, Booking Management, Token Generation.
- **Doctor Module:** Appointment Viewing, Prescription Uploading.

To-Do Application

- This to-do application allows users to create tasks, mark them as completed, and delete them. It helps users manage their tasks efficiently and keep their to-do list organized.

Weather Management Application

- The application provides real-time weather updates, including temperature, humidity, and conditions for the user's location. It offers regularly refreshed weather data, relevant news on weather events, and forecasts for upcoming days to assist with planning.