Shanu Shajahan

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Profile Summary

I am a passionate **MEAN stack developer** with a Diploma in Computer Engineering and a robust background in building scalable and efficient web applications that drive user and business success. My technical education has provided me with a strong foundation in software development, and I have since evolved into a dynamic career focused on crafting high-performing solutions using cutting-edge technologies.

Technical Skills

Languages: JavaScript (Advanced), TypeScript (Advanced), MongoDB, MySQL, HTML, CSS, PHP, C, C++, Java
Frameworks & Libraries: Angular (Expert), Node.js (Expert), Express, Laravel, TailwindCSS
Tools & Platforms: Git, GitHub, Render, Vercel, AWS (Basic), Android Studio
Design: Figma (Intermediate)
Concepts: WebRTC, Clean Architecture, MVC Architecture, Repository Pattern, WebSocket
Technologies Used: React (Intermediate)

Projects

Live-Streaming Platform   🐙 GitHub| Demo

- Developed a platform using **WebRtc** and **Angular 17**, **Node.js**, integrating features like starting and managing live streams, channel management, shorts uploading, managing subscriptions, and generating Excel reports.
- Adhered to **Clean Architecture** and **SOLID principles** to ensure a scalable and maintainable codebase.
- Deployed applications using **Docker** and **CI/CD**, significantly improving scalability.

Mean Auth App: Authentication System   🐙 GitHub| Demo

- Developed a secure authentication application featuring **sign-up**, **login**, and **protected route access**.
- Utilized **Angular** with **Angular Router** for seamless client-side navigation.
- Implemented secure authentication protocols using **JSON Web Tokens (JWT)**.
- Built with the **Mean stack**, featuring a **Node.js** and **Express** backend with **MongoDB**.
- Managed application state efficiently using **Ngrx Toolkit**.

E-Cart: E-Commerce Platform   🐙 GitHub| Demo

- Developed an e-commerce platform using **Node.js**, **Express.js**, and **EJS**.
- Implemented **OTP email verification** and secure login features to enhance security.
- Created a dynamic homepage showcasing various product categories for improved user engagement.
- Integrated features like a shopping cart, wishlist, and multiple payment options for user convenience.
- Designed a personalized profile section for effective account management.
- Deployed on **AWS** with **NGINX** for efficient server management and performance.

Weather-App   🐙 GitHub| Demo

- Developed a weather application using **Angular** and **Node.js** with **MongoDB** for data storage.
- Integrated the **OpenWeather API** to fetch real-time weather data based on the city input.
- Implemented dynamic image changes based on the weather conditions, providing an intuitive user experience.
- Secured user data with **bcrypt** for password hashing and **JWT** for authentication.

Angular Netflix Clone: Streaming Platform Replica   GitHub| Demo

- Developed a Netflix clone using **Angular** and **TypeScript**, featuring a modern design.
- Implemented a responsive user interface for seamless browsing across devices.
- Integrated key features such as **movie browsing**, **user authentication**, and personalized recommendations.

Welfare Organization Management System   GitHub| Demo

- Developed a management system connecting over 1200 organizations across Kerala, including old age homes, disability centers, child homes, and women's care centers.
- Used **HTML** and **Tailwind CSS** for the front end and **PHP** with **MySQL** for the back end.
- Implemented features like **registration**, **login**, **user profiles**, **organization details**, and **donor lists**.

Blood Bank Management System   GitHub| Demo

- Developed a system for managing blood donations, including blood bank registration, donor management, and recipient tracking.
- Used **Java** for the front end and **MySQL** for the back end, leveraging **NetBeans IDE** for development.
- Integrated features such as **donor profiles**, **blood requests**, and **donation scheduling**.

Education

SSLC, Govt HSS Punalur	2019
Higher Secondary, Govt HSS Punalur	2020
Diploma in Computer Engineering Government Polytechnic College Punalur	2023
MEAN Stack Development, Brototype	August 2023 - September 2024