Salil Chaudhary

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Summary

Highly motivated Front End Software Engineer with 2.3 years of experience crafting scalable, efficient web applications using MEAN stack MongoDB, Express.js, Angular, Node js Possesses strong problem-solving skills and a passion for continuous learning, staying ahead of industry trends and technologies. Thrives in challenging environments, seeking a role to leverage expertise and drive innovation.

Experience

Cognizant Technology Solutions

Programmer Analyst Trainee
12/2021 - 12/2022

Programmer Analyst
01/2023 – Present
-Developed and deployed high-performance web applications using Angular (13+), focusing on user experience and scalability.
-Collaborated with cross-functional teams to design and implement responsive UIs across various projects.
-Integrated APIs and managed data flow, ensuring seamless user interaction and data integrity.
-Contributed to building reusable components and maintaining a clean, modular codebase.
-Utilized Angular Material, TypeScript, and best practices for efficient and maintainable development.

Skills

HTML, CSS, Angular 13, API Handling, MongoDB, Photoshop, Figma, JavaScript, TypeScript, Aws IoT , RxJS, Git

Education

Bachelors in Technology (B. Tech) -Information Technology

DAV Institute of Engineering and Technology, Jalandhar, Punjab

04/2021

Projects

Book Store (01/2022 - 05/2022**)**

This Book Store project is built using Angular, Node.js, Express.js, and MongoDB. The interface was created using Angular Material, HTML, and CSS, with multiple forms such as Login and Register including validations. Data is stored and fetched from MongoDB using services for HTTP integration. The application is safe and requires valid credentials to access it. Features such as pagination and "add to favorites" are also included.

- **Full-stack development**: Designed and built the frontend using Angular Material, HTML, and CSS, and integrated it with the backend built on Node.js, Express.js, and MongoDB.
- **Secure authentication and authorization**: Implemented secure login and registration forms with robust validation rules, ensuring data integrity and preventing unauthorized access.

- **Efficient data management**: Developed reusable services for seamless HTTP integration, efficiently storing and retrieving data from MongoDB.
- **Enhanced user experience**: Designed user-friendly forms, incorporated pagination for easy navigation, and added features like "add to favorites" to cater to user needs and preferences.
- **Responsiveness**: Optimized the application for different screen sizes and devices, ensuring a seamless user experience across platforms.

Post(Content) Management System(6/2022 - 8/2022)

This Post Management System project is built using Angular, Node.js, Express.js, and MongoDB. The UI for all pages was created using Material UI, and an Authentication model was implemented to prevent data tampering. Reactive forms were used for adding posts, and custom route files were used for route handling.

- **Tech Stack:** Angular (Frontend), Node.js, Express.js, MongoDB (Backend).
- **Frontend**: Designed and built user-friendly interfaces using Material UI, ensuring consistency and accessibility.
- **Authentication**: Implemented a robust authentication model to prevent unauthorized access and data tampering.
- **Data Management**: Utilized reactive forms for efficient and user-friendly data entry (adding posts).
- **Routing**: Optimized navigation with custom route files for seamless user experience.
- Key contributions:
  - Designed and developed the Angular frontend, prioritizing user experience and accessibility.
  - Implemented a secure authentication system to protect data integrity.
  - Streamlined data entry with reactive forms, enhancing user interaction.
  - Established efficient routing logic for smooth navigation throughout the application.

Air Quality Management System(10/2022 - 2/2023)

This System was implemented using Java with spring boot framework as backend and AWS on cloud with angular at frontend. The idea behind the project was to collect the Air quality from a particular floor using IoT device and send it to cloud and process it and alert the End user according to the concentration of air quality.

- **Backend**: Java Spring Boot framework, deployed on AWS cloud.
- **Frontend**: Angular for user interface, including login/logout with authentication guard.
- **Data collection:** Utilized IoT devices and MQTT protocol to capture air quality data from a specific floor.
- **Data processing**: Implemented Lambda function for real-time data processing on AWS.
- **Data storage**: Leverages S3 for temporary data storage.
- **Data visualization**: Employed Chart.js in the Angular frontend for interactive data visualization.
- Key contributions:
  - Architected and developed the Angular frontend, ensuring a user-friendly and responsive experience.
  - Designed and implemented API endpoints using Spring Boot for data fetching.
  - Established secure connections between IoT devices, database, and Lambda functions.
  - Enabled real-time air quality monitoring and user alerts based on concentration levels.

World Vision (3/2023- 1/2024)

Working with an organization dedicated to empowering underprivileged children by connecting them with sponsors to fulfill their dreams. Responsible for ensuring the stability of the live project and implementing enhancements for improved functionality.

- Developed and maintained a web application (Angular) and mobile app (Java) to connect sponsors with children, enhancing functionality and stabilizing the live platform.
- Implemented a role-based access control system for Admin module, enabling tailored access for field offices based on responsibilities.
- Created a module to manage ongoing and past projects across various countries, facilitating project creation.
- Designed a module to streamline child-project mapping and sponsor search, improving efficiency.
- Established a user-friendly registration process for children and guardians, initiating field office visits.

Mini Chatbot

I led the creation of a user-friendly mini-project using Angular. One exciting feature we added was a smart chatbot using the ChatGPT API, making conversations simple and enjoyable for users.

- Developed the project foundation with Angular for a solid application.

- Integrated the ChatGPT API to bring in a clever chatbot.

- Ensured smooth and easy conversations for users.

- Blended Angular's flexibility with ChatGPT's chat skills for a unique and engaging project.

Languages

English, Hindi

Interests

Videography , Travelling , Riding Bikes