MANAN RAI

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SUMMARY

- Around 7 years of experience in designing professional web applications using **Angular 14**, **HTML 5**, **CSS3**, **JavaScript**, **jQuery**, **Angular**, **Node.js**, and **Express**.
- Experienced in designing complex user input forms utilizing **Angular Material**, **Reactive Forms** and **Template Driven Forms**.
- Expertise in developing responsive web for different platforms with **Bootstrap**, CSS3 media query and **flexbox** in combination with Angular.
- Possess strong proficiency in working with **RxJS** libraries, with extensive experience in developing reactive and event-driven applications using observable streams and operators.
- Proficient in creating **RESTful APIs** and integrating the front end with the back end using Angular and Node.js frameworks
- Strong proficiency in working with complex database systems, including designing relational schemas and operating on various RDBMS systems such as **MySQL**, **Oracle**, and **MongoDB**
- Well versed in **DOM** (Document Object Model) and DOM functionality to use in the interaction with objects in HTML, and JSON documents, and manipulating the view using **Angular Directives**.
- Having knowledge of popular charting libraries such as **Charts.js, D3.js** charts, and **ngx-charts**.
- Experience in version control tools such as **Git** as well as JavaScript package manager **NPM** and **Yarn**.
- Experience in debugging and troubleshooting and familiar with debugging tools (**Chrome DevTools**, **Angular Augury**) and front-end unit test tools (**Jasmine-Karma**).
- Experience in using **JIRA** and following the Agile development process, and deep understanding of **Software Development Life Cycle (SDLC)** including requirements analysis, design, testing, implementation, and maintenance.
- Proficient with implementing cloud technologies involving **Azure** in MEAN Stack applications, also Azure **certified**
- Experience in developing **accessibility features** for web applications on different user platforms
- Excellent communication and collaboration skills, with the ability to understand and convey both technical and non-technical concepts.

TECHNICAL SKILLS

Programming: Python, C++, R
Web Technologies (Front End): Angular 14, HTML5, CSS3, JavaScript, TypeScript, jQuery, Bootstrap, React, JSX
Web Technologies (Back End): Node.js, Nest.js, MongoDB, MySQL, Oracle 11g, Hadoop, HiveQL
Version Control: Git, Tortoise Git, Git Bash
IDE: Visual Studio Code, IntelliJ, Sublime Text
Methodologies: CI/CD Pipeline, JIRA, Agile/Scrum Methodologies
Testing/Debugging: Jasmine, Karma, Jest
Cloud Technologies: Microsoft Azure

EXPERIENCE

Project: Analytics Dashboard for App Usability Metrics | Client: Contentstack LLC
JUNE 2022 – PRESENT   LOCATION: SAN FRANCISCO, CA
DESCRIPTION: Developed an analytical dashboard for Contentstack that provided valuable insights into app usability metrics. Collaborated with the core design team to implement features that tracked the usability of the auto-complete smart compose word processor. The goal was to collect data on frequently used or rejected words/phrases, which would provide useful metrics for improving future builds.

- Helped design the UI. Primarily created using **Angular 14**, **HTML**, **CSS**, **TypeScript**
- Collaborated with the backend team to regularly interact with user data stored in the backend database built with **MongoDB** to ensure reliability of data and to gather information from the word processor application
- Integrated the backend server with the front-end using **Azure**, enabling seamless communication and data exchange between the two components.
- Established a real-time communication channel between client and server using **rxjs WebSocket** to provide the latest usability metrics
- Retrieve information regarding user word choice and feedback while utilizing application and display it on dashboard, utilizing **Angular services** and implementing **property binding**
- Utilized **D3.js** to create interactive and visually appealing analytics for the dashboard, allowing the team to gain valuable insights into app usability metrics.
- To enhance security measures using **JWT**, **Form Validators** and **Admin Guards** which verify the user's employee status and authorization before granting access to sensitive information.
- Utilizing **Lazy Loading** to ensure smooth and reliable performance to maintain stability and provide an optimizable experience
- Implemented **Luxon.js** library to accurately format and display time and dates, providing insights into individual user time usage
- Making use of **Agile** methodologies to remain on schedule and conduct daily stand-up meetings with the team to share progress updates and review code

Project: Insurance Claims Processing Automation | Client: Clara Analytics

MARCH 2021 – MAY 2022   LOCATION: SANTA CLARA, CA

DESCRIPTION: Developed an automated claims processing system for Clara Analytics, leveraging modern web technologies and agile methodologies to improve the efficiency and accuracy of insurance claims processing. The system was designed to reduce the processing time of claims and improve accuracy, enabling insurance companies to provide faster and more reliable service to their customers.

- Designing and developing the frontend using **Angular 11 and Angular 12** to create a user-friendly interface for configuring and managing the claims processing system
- Involved using **Angular Material**, **Angular Flex Layout**, and **Angular Animation** libraries to create responsive, attractive, and interactive UI components.
- Creating a backend using **Node.js** to handle API requests and integrate with the insurance company's systems.
- Implementing a workflow engine to automate the processing of claims using **Camunda** using the **BPMN (Business Process Model and Notation)** standard
- Storing and managing insurance data in a **MongoDB & MySQL** database choosing which data to store in which database based on its structure and access patterns
- Building **RESTful APIs** for communication between the frontend and backend.
- Integrated third-party APIs such as **payment gateways** like PayPal to support payment processing and other related functionalities.
- Implementing authentication and authorization mechanisms to ensure data security using JSON Web Tokens **(JWT)**
- Testing and debugging the application using **Jasmine** testing frameworks.
- Conducted weekly code reviews and updates using **Git Bash** and employed **agile methodologies** to maintain the project schedule and ensure timely delivery.
- Deploying the application to a production environment and performing maintenance tasks as necessary, involving libraries like **NgRx** for state management **and ngx-translate** for internationalization support

Project: Battery Performance Monitoring Dashboard | Client: L&T Technology Services

SEPTEMBER 2020 – FEBRUARY 2021   LOCATION: BANGALORE, INDIA

DESCRIPTION: Designed and developed a dashboard application using the MEAN stack for an industrial company to monitor the health and performance of batteries in real-time.

- Collaborated with design team to understand application architecture for scalability, modularity, and maintainability using agile scrum methodologies.
- Developed the frontend using **Angular 9**, **HTML5**, **CSS**, and **Typescript** to create a user-friendly interface with real-time data visualization and alerts.
- Utilized **RxJS** and **Angular Material** to enhance the application, using observables to gather real time data updates
- Created a backend using **Node.js** to handle API requests and integrate with the battery monitoring systems
- Performed code reviews to ensure code quality and maintainability
- Stored battery data in a **MongoDB** database using the Mongoose library
- Integrated the application with battery monitoring systems using **CAN bus** protocol
- Thoroughly tested and debugged the application using **Jasmine** and performed maintenance tasks as necessary

Project: Resume Parsing Application | Client: Wipro Ltd

JULY 2017 – AUGUST 2020   LOCATION: BANGALORE, INDIA

DESCRIPTION: Developed resume parsing application. Implemented using React and NLP techniques

- Developed a resume parsing application capable of extracting data from various resume formats (e.g. PDF, DOCX) and storing it in a database for further analysis.
- Created a user-friendly interface using **React** and incorporate data visualization tools such as **Charts.js** to enhance user experience.
- Collaborated with the backend team to create a server-side application using **Node.js** to interact with the database and handle API requests.
- Use the **Mongoose** library to interact with and manipulate the stored data in the **MySQL** database.
- Implemented natural language processing **(NLP) techniques** to extract data from unstructured resume data and enhance the accuracy of data extraction.
- Participated in weekly code reviews and employed the **Jest** framework for unit testing and debugging to ensure application functionality and reliability.
- Deployed and maintained the application in collaboration with the core team and performed necessary maintenance tasks