Shajahan Shaik

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Summary

Experienced Full Stack Developer with a strong background in developing and managing complex web applications. Skilled in utilizing a wide range of technologies, including Angular, Next.js, Nest.js, Tailwind CSS, MongoDB, Hasura, and GraphQL, to deliver robust and user-friendly solutions. Proficient in creating dynamic and responsive user interfaces, integrating state machines, and automating tasks.

Technical Skills

Languages: JavaScript, HTML, CSS, SQL
Frameworks: Angular, Node.js, Nest.js, React, Next.js
Databases: MongoDB, Husura
Technologies: Git, GraphQL, Temporal
Data Visualization Tools: Mongocharts, GoogleCharts, E-Charts
Cloud: GitHub Actions

Work Experience

Opstronomy Health Technologies Private Limited February 2024 - Present
Software Development Engineer (Full-time) *Hyderabad, India*

- Worked on an Electronic Medical Record(EMR) project utilizing Angular, Material, and Tailwind CSS to create various components, services, and modules.
- Developed customisable Patient onboarding workflows, Modular case sheets, navigation, data models, and API calls.
- Built APIs using Nest.js to interact with a MongoDB database and the frontend code.
- Created data models in formats required for frontend pages.
- Integrated state machines using the XState package and managed task execution using Temporal.
- Utilized Hasura and MongoDB for data storage and GraphQL for efficient data querying.
- Collaborated with cross-functional teams to ensure seamless integration and delivery of project requirements.

HealthNet Global July 2021 – January 2024
Software Developer (Full-time) *Hyderabad, India*

- Worked on an Smart Reports project utilizing Next js, Nest js and Tailwind CSS to create various components.
- Displayed human body system test records, including test names, result values, normal ranges, and scales. Used color-coded indicators to clearly convey normal, abnormal, or critical results for better patient understanding.
- Created dynamic graphs with the ECharts package to visualize historical patient test results.
- Integrated additional patient information such as family history, diet, medication, and past history into the web pages.
- Utilized media queries to enhance screen flexibility and ensure a responsive design.
- Generated PDF versions of the patient medical record web pages using the Puppeteer npm package for easy sharing and printing.
- Integrated WhatsApp messaging to send patient medical records using Twilio npm in Nest.js.
- Collaborated with cross-functional teams to ensure project requirements were met and deliverables were completed on time.

Projects

Electronic Medical Record(EMR) Studio August 2022 - Present

* Developed **online consultation through video calls has revolutionized the way people access healthcare services**. By implementing this system, significant advancements have been achieved, **including a 60% improvement in accessibility and considerable time savings for users**.
* **Online consultation** breaks down geographical barriers, allowing individuals to connect with specialists regardless of their location. Patients in rural areas or regions with limited healthcare facilities can now access top-tier medical expertise without the need for travel. Also integrating video call capabilities into healthcare platforms demonstrates a commitment to leveraging technology for the benefit of patients.

Tech Stack: Angular, Nextjs, Nest.js, MongoDB, Hasura, Temporal, GraphQL, Mongocharts.

Education

TKR College of Engineering & Technology affiliated by JNTUH August 2017 - May 2020
Masters of Technology, Computer Science and Engineering *CGPA : 7.2/10*

* ***Relevant Coursework***: Data Structures and Algorithms,Software Engineering Workflows, Advanced programming languages.

Madhira Institute of Technology & Sciences affiliated by JNTUH August 2013 - May 2017
Bachelor of Technology - Computer Science and Engineering *Percentage : 67*

* ***Relevant Coursework***: Data Structures and Algorithms, Database, Operating Systems.