

MUHAMMAD TAYYAB

Full Stack Engineer

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Summary

I'm a full-stack developer with over 2 years of experience building high-performing web applications. I specialize in Angular and React for intuitive front-end development and leverage Next.js as a full-stack framework to streamline workflows. On the back end, I work with Node.js, MySQL, PostgreSQL, and MongoDB to create scalable, reliable systems. I have a proven track record of solving complex challenges, improving application performance, and delivering user-friendly solutions that drive results. Passionate about learning new technologies, I strive to deliver impactful projects that make a difference.

Experience

Efani

Full Stack Developer

04/2023 - Present

Telecom company delivering secure mobile services to safeguard users from cyber threats.

- Designed and implemented a custom subscription system to charge users at different intervals, reducing operational costs by 4%.
- Developed a robust dashboard to track critical business metrics, including ARR, churn rate, sales, and invoices, aiding data-driven decisions.
- Built an Affiliate Dashboard to streamline client, order, and commission management for partners.
- Created a user-friendly support dashboard to efficiently handle customer requests and manage support tickets.
- Enhanced security by implementing token-based authentication systems and hardware keys, ensuring data protection.
- Integrated third-party APIs to process large CDR data sets using SFTP connections, ensuring seamless data management.
- Implemented webhooks to maintain real-time data synchronization between payment providers and application servers.

Inqiludio Digital

MERN Developer

09/2022 - 04/2023

Digital agency providing web and mobile app development solutions.

- Built a web app that converts sign language to voice and vice versa using AI/ML models, enabling seamless communication for users with hearing or speech impairments.
- Developed a React-based dashboard to manage, list, and train language conversion models, improving accuracy and usability.
- Utilized Mediapipe Holistic libraries to capture user gestures for real-time sign language recognition.
- Designed polished layouts and landing pages using Ant Design and Bootstrap to create a user-friendly experience.

Education

University of Engineering and Technology Peshawar

BS in Computer Science

09/2021 - 05/2025

Skills

Angular • API • Api Development • apis • AWS • Docker • express.js • Front-end • Git • Github • Heroku • MEAN Stack • MongoDB • MySQL • node • node.js • NoSql • Next.js • postgresql • react.js • restful • restful api • SQL • Stripe • Typescript

Projects

TalkMotion - AI-powered Communication Platform for Deaf and Aphonic Individuals

TalkMotion is a web app designed to bridge the communication gap between Deaf, aphonic, and hearing individuals by converting sign language to voice and vice versa using AI.

- Developed a React-based web app that integrates AI-powered sign language to voice and vice versa translation via API.
- Built seamless user interfaces to enable users to easily convert sign language gestures to speech and voice to sign language.
- Integrated AI and machine learning models through API connections to handle real-time sign language recognition and voice translation.
- Designed and implemented intuitive dashboards to manage and train language conversion models for enhanced accuracy.
- Created responsive and user-friendly layouts using React and frameworks like Ant Design and Bootstrap to ensure accessibility for Deaf and aphonic users.