

Muhammad Tariq Asim

tariqasim96@gmail.com • +923236172838 • [linkedin.com/in/muhammadtariqasim](https://www.linkedin.com/in/muhammadtariqasim)

Summary

Experienced **Software Engineer** with over three years of expertise in developing robust web and mobile applications using **Next.js**, **React.js**, and **TypeScript**. Proficient in creating responsive, high-performance user interfaces, leading frontend teams, and integrating modern frameworks and APIs. Proven ability to deliver innovative solutions, including **offline-first applications**, and collaborate effectively with cross-functional teams.

Skills

Languages & Frameworks: React, Next.js, Vite, TypeScript, JavaScript, HTML, CSS

State Management: Redux

Styling: Material Design, Emotion CSS, Tailwind CSS, Ant Design, Bootstrap

Offline & Mobile: DexieDB, Capacitor, Cordova

Backend & APIs: REST APIs, Firebase, GCP, Axios, NextAuth.js

3D & Graphics: Three.js, WebGL

Testing & Tooling: Storybook, Jest, RTL, Git

Analytics: Mixpanel, PostHog

Professional Experience

Taleemabad — Frontend Developer

(January 2025 – Present)

- Contributed to an **offline-first EdTech platform**, delivering both web and mobile experiences.
- Built the web application using **React**, **Vite**, **DexieDB** (for offline storage), **TypeScript**, **Material Design** components, **Emotion CSS** for styling, and **Storybook** for UI component development.
- Implemented **data synchronization logic** with **PostHog** analytics to seamlessly handle online/offline transitions, ensuring consistent user experience and data integrity across millions of learning sessions.
- Collaborated with backend and mobile teams to design **RESTful APIs** and define data models.
- Converted the web app into a cross-platform mobile application using **Capacitor** and **Cordova**, integrating device features (camera, notifications, file storage) for offline use.
- Wrote comprehensive **unit and integration tests**, and documented UI components in **Storybook** to accelerate feature development and onboarding.

Vacon.ai — Software Engineer
(May 2023 – December 2024)

- Led the frontend development of an **AI-powered platform** that streamlines product development.
- Utilized **Next.js, TypeScript, Firebase, Mixpanel, NextAuth, Axios**, and **Tailwind CSS**.
- Integrated **GitHub** for seamless workflow and collaborated with a **Python FastAPI** backend team.

Silicon Solutions — Software Engineer
(April 2022 – April 2023)

- Developed and maintained various client websites and web applications.

Askolay — Junior Web Developer
(July 2021 – January 2022)

- Assisted in the development of web-based educational tools.

FAST-NUCES — Teaching Assistant
(April 2021 – July 2021)

- Assisted professors with undergraduate computer science courses.

Projects

Taleemabad Offline-First EdTech Platform

- Architected and implemented key modules of an **offline-first learning platform** supporting web and mobile.
- Designed **DexieDB schemas** and **sync algorithms** to queue, batch, and resolve conflicts between local and server data.
- Developed interactive **course modules, quiz engines**, and **multimedia lesson players** in **React** with **Material Design**.
- Integrated mobile-specific capabilities (**camera, file storage, push notifications**) via **Capacitor** and **Cordova** for hands-on activities and offline downloads.

ProdKit.AI — *Frontend Team Lead*

- Led frontend development of an **AI platform** for project estimation and tech stack recommendations using **Next.js, TypeScript, Firebase**, and **Tailwind CSS**.

AI-based Healthcare Management System — *Frontend Team Lead*

- Spearheaded development of a web app with **role-based dashboards, video calls**, and **real-time chat** using **Next.js, TypeScript**, and **Firebase**.

Ramped

- Developed an **AI-based job assistance software** including a **Chrome extension** using **Next.js**, **TypeScript**, **Redux**, and **Python APIs**.

Education

FAST-NUCES — BS in Computer Science
(2016 – 2021)