

MUHAMMAD SAMEER SABIR

SOFTWARE ENGINEER

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Parma, Italy

Profile Summary

Frontend & Mobile Software Engineer with 3+ years of experience specializing in React Native, React.js, and Next.js, building scalable and responsive mobile and web applications. Experienced in reusable UI components, REST APIs, authentication, real-time features, TypeScript, Firebase, Supabase, Expo, iOS/Android development, along with Play Store & App Store deployments. Passionate about clean architecture, performance optimization, and delivering high-quality user experiences in fast-paced Agile environments.

Tech Skills

- React Native
- Python

Soft Skills

- React JS
- TypeScript/ CSS / SCSS / JavaScript

- Management skills
- Creativity

- Leadership
- Team Work

Education

Master's In Data Science	2025-CONT
University Of Parma, Italy	
Bachelor of Science in Software Engineering	2020-2024
Usman Institute of Technology (NED)	

Work Experience

React Developer at The Tecthory

JAN 2025 - CONT

- Managed and developed pixel-perfect web applications and dashboards using Next.js and React.js, delivering responsive, accessible, and futuristic UIs with modern animations and micro-interactions.
- Integrated RESTful and real-time APIs using TypeScript, TanStack Query, and Zod for type-safe data handling, caching, and high-performance web applications.
- Built real-time collaboration, chat, and tracking features with WebSockets, ensuring low-latency updates and seamless synchronization across users and devices.
- Integrated Supabase and modern authentication flows, including social login (Google, Apple, Facebook) with type-safe validation and secure data handling.
- Designed and maintained state management using Redux and Zustand, following modular, scalable, feature-based architecture for complex web applications.
- Developed AI-powered features including predictive analytics, recommendation systems, and smart dashboards to enhance user experience and decision-making.
- Led end-to-end development of web apps, including architecture design, modern component design, animations, performance optimization, testing, and deployment to cloud platforms.

Programmer Analyst at Aga Khan University

FEB 2025 - NOV 25

- Managed, developed, and maintained clinical web applications and dashboards using Next.js and React.js to support university and healthcare operations.
- Built and optimized RESTful APIs and GraphQL endpoints for efficient communication between front-end dashboards and backend systems.
- Developed responsive, interactive dashboards and web apps with modern React.js libraries (Material-UI / Ant Design / Tailwind CSS).
- Implemented authentication, role-based access control (RBAC), and secure data handling to ensure compliance with healthcare privacy standards.
- Integrated third-party services and APIs, such as analytics, payment gateways, charting libraries, and notification services, to enhance web app functionality.
- Collaborated with cross-functional teams including clinicians, designers, and backend engineers to deliver high-quality web solutions on time.

React Native Developer at AimNode Technologies

DEC 2023 - JAN 2025

- Developed diverse mobile app modules with a focus on **seamless user experiences** and functional design.
- Integrated APIs and managed the **Redux store** for efficient **state management**.
- Deployed applications to the **Play Store** and utilized **Xcode** for building iOS apps.
- Proficient in using **Figma to design** mobile frontends from scratch.
- Worked with both **Expo** and bare **React Native** workflows for flexible app development.
- Detail-oriented and committed to enhancing functionality and visual appeal in app development.
- Collaborated effectively within cross-functional teams to ensure smooth project execution.

React Native Internship at Code Alpha

Nov-Dec 2023

- React Native Intern at CodeAlpha, contributing to multiple projects.
- Developed and implemented diverse applications, including a Quote Generator app, Fitness app, and Flashcard Quiz app.
- Enhanced skills in mobile app development and gained hands-on experience in creating user-friendly solutions.
- Thrived in a collaborative and innovative environment, setting the stage for continued growth as a React Native developer.

 Front-end Development

- React Native
- React.js
- Next.js
- TypeScript
- HTML5
- CSS3
- SCSS
- Ant Design
- Styling & UI Solutions (Tailwind CSS, Styled Components, CSS Modules)
- Modern Front-end Libraries & Tools (TanStack Query, Redux, Zustand, Zod)

 Back-end Development

- Node.js
- .NET
- C#
- Python
- Java
- Authentication Libraries

 Database Management

- MySQL
- PostgreSQL
- MongoDB
- Supabase
- Firebase
- MySQL Workbench

Course & Certifications

- Web Development (Front-end development course) from APTECH computing learning, Karachi. (Aug 2020 – Dec 2020)
- Digi skills Freelancing course (Sep 2021 – Nov 2021)
- Meta React Native Specialization Course from Coursera (Oct 2023 – may 2024..)

Languages

- English (Fluent)
- Italian (Basic)
- German (Basic)

Final Year Project

Competitive E-Learning Platform For Kids

Project’s Overview

The project focuses on developing an E-Learning Quiz Game, a mobile application designed to provide an interactive and engaging educational platform for students aged 7–13. The app aims to enhance learning through structured content covering knowledge-based topics, history, and practical understanding in a fun and accessible way. Recognizing the growing demand for innovative digital learning solutions, the project leverages modern technologies such as React Native for the front end, Node.js for the back end, and MySQL for data management. Designed with a global audience in mind, the application follows a modular and scalable architecture to support diverse learning needs. By incorporating gamification elements, multiplayer modes, leaderboards, and interactive challenges, the project makes learning enjoyable and motivating—particularly for younger users who may find traditional educational methods less engaging.

Autorizzo il trattamento dei miei dati personali ai sensi del D.Lgs. 196/2003 e del Regolamento UE 2016/679 (GDPR) per le finalità di ricerca e selezione del personale.