

Arbab Tufail

arbabtufail2022@gmail.com | +92-307-0007428

[LinkedIn](#)

Summary

Software Engineer with 3 years of experience in Full-Stack Web and Mobile App Development using React, React Native, Next.js, Node.js, NestJS, AWS, Firebase, SQL, and NoSQL databases. Committed to building scalable, high-performance solutions and contributing to innovative projects.

Experience

Software Engineer | OCloud Solutions, Lahore

Jan 2024 – Present

- Led full-stack development, aligning front-end and back-end systems to optimize functionality and user experience.
- Deployed applications to Firebase, Heroku, Netlify, AWS EC2, and Render using CI/CD pipelines powered by GitHub Actions.
- Managed complete project lifecycles independently and with cross-functional teams.
- Integrated Firebase Authentication with multiple providers: Google, Email/Password, GitHub, Twitter, Facebook, Instagram, TikTok.
- Built applications with low-code tools like Bubble.io and automated workflows with n8n.
- Conducted detailed code reviews and performance optimizations.
- Engineered secure APIs and database schemas using NestJS.
- Mentored junior engineers through code reviews and knowledge sharing.

Associate Software Engineer | OCloud Solutions, Lahore

Dec 2022 – Dec 2023

- Built front-end applications using React.js and Next.js.
 - Collaborated on full-stack development projects with Node.js and NestJS.
 - Created a veterinary API for patient records, scheduling, and filtering.
 - Implemented secure auth flows with JWT and Express.
 - Boosted team efficiency through strong collaboration and delivery practices.
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Projects

[Experios](#) – Immersive Escape Room Platform

React, SCSS, Node.js, Express, MongoDB

Collaborated on online escape room development with React/SCSS frontend and Node.js/Express backend to enhance game features.

[OneSpace](#) – Student Wellbeing Platform

React Native (Expo & Bare), AWS Amplify, Cognito, AppSync, DynamoDB, Rasa

Contributed to a cross-platform mobile app supporting mental health through secure storage, real-time chat, and AI-powered guidance.

Knowlej – AI-Powered Education Platform

Next.js, Node.js, PostgreSQL, ChatGPT, LangChain, REST APIs

Built role-based school features including AI quiz generation, attendance, and student challenge tracking.

JammNation – Artist-Fan Engagement Platform

React Native, GetStream, PostgreSQL, Python, Next.js, Microservices

Helped build a mobile app enabling real-time artist-fan engagement via chat, calls, and exclusive content.

IntelliAudit – Smart Energy Audit Management System

NestJS, Prisma ORM, PostgreSQL, Swagger, JWT, REST API

Collaborated on backend APIs for energy audits with RBAC, modular architecture, and Swagger documentation.

Critique – Content Review Platform

Next.js, Firebase

Developed a platform for expert content feedback using Firebase Auth, Firestore, and magic link login.

Employee HR Policy Chatbot

React, Firebase, n8n

Built AI-powered HR chatbot with Firestore integration and automation deployed on Heroku.

Automated CV processing system

Bubble.io, n8n

Built automated CV processing system with Bubble.io, OpenAI, n8n, HubSpot CRM, and Slack.

Education

Bachelor of Science in Computer Science

National University of Computer and Emerging Sciences – Islamabad, Pakistan

Awards

- Multiple-time Employee of the Month – OCloud Solutions
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Technical Skills

Frontend: React, React Native, Next.js, JavaScript, TypeScript, Bubble.io

Backend: Node.js, Express.js, NestJS, REST APIs, n8n,

Databases: MongoDB, PostgreSQL, DynamoDB

CloudPlatforms: Firebase, AWS

DevOps & Tools: Git, GitHub Actions, Netlify, Heroku, AWS (EC2, Amplify)

Languages: English, Urdu, Punjabi

Interests: Football, E-Games, Book Reading, Vibe Coding

