

Ashesh Kumar — Software Engineer (React Native & Full-Stack)

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PROFESSIONAL SUMMARY:

- Software Engineer experienced in developing cross-platform websites, apps and real-time systems using React Native (Expo), React js, Supabase (Realtime + Auth), PostgreSQL (Neon), MongoDB, Node.js, and express.
- Delivered chat apps, complaint management systems, and scalable web projects listed below. Skilled in DSA, OOP, and collaborative Agile development.

TECHNICAL SKILLS:

- **Languages:** JavaScript, C++, C, Python
- **Frontend:** React, React Native (Expo), HTML, CSS, Tailwind, Bootstrap
- **Backend:** Node.js, Express, Supabase (Auth, Realtime), PostgreSQL (Neon), MongoDB
- **Other:** JWT Auth, Role-Based Access Control (RBAC), WebSockets, DSA, OOP, Agile/Scrum
- **Tools:** Git, GitHub, Postman, VS Code, EAS (Expo)

Professional Experience:

Software Engineer — [Techmile Solutions], Karachi, Pakistan

Jun 2025 – Present

- Built a chat application with DMs and channel functionality using React js, Node.js, and Supabase Realtime, enabling instant communication across teams.
- Developed a complaints reporting system with role-based access controls for admins, moderators, and users — improving transparency and resolution tracking.
- Designed database schemas and optimized SQL queries on Neon PostgreSQL to improve performance and ensure secure data handling.
- Contributed to Expo app development, delivering consistent web and mobile UX.
- Collaborated with senior developers on debugging, code reviews, and architecture decisions, improving delivery speed and system stability..

PROJECTS:

WorkSync – Company Operations Platform (React, Node.js, Express, Supabase, PostgreSQL):

- Developed a unified company operations platform with task management, real-time messaging (DMs & channels), and user management and secured with role-based access controls (RBAC) for admins, executives, and employees.
- Integrated Supabase, Sockets and Neon PostgreSQL for seamless real-time data handling, automatic connection to existing company databases (no migration required) and prepared system for future attendance management and mobile app.

AI-CANDIDATE ASSESSMENT SYSTEM

(<https://github.com/AashuKumar3451/AI-Candidate-Assessment-System.git>) – Final Year Project:

- Built an AI-driven hiring platform that automates CV parsing, skill extraction and personalized technical test generation.
- Designed evaluation logic to score MCQs, pseudocode and theory answers with partial marks and readable explanations.
- Generated PDF reports summarizing candidate performance for HR to speed decision-making and reduce manual screening.

BLOG SPHERE WEBSITE on MERN (<https://github.com/AashuKumar3451/Blogs-Website.git>):

- Developed a full-stack blogging platform using React, Node.js, Express, and MongoDB with a responsive Tailwind UI.
- Implemented JWT-based authentication, role-based admin controls, and secure CRUD operations with admin interfaces for content moderation and user management.

CineSuggest – PERSONALIZED MOVIE RECOMMENDATION ENGINE:

- Built a movie recommendation system that creates a list of the top 5 films tailored to user interests, using a Kaggle dataset that underwent thorough data cleaning for optimized accuracy and performance.
- Utilized powerful libraries such as NumPy, scikit-learn, pandas, and NLTK to analyze user preferences and match similar movies, providing a seamless and personalized movie discovery experience.

Education:

B.Sc. Computer Science — FAST National University of Computing and Emerging Sciences

(2021-2025) CGPA: 3.25/4