

Arbaz Khan *Full Stack Developer*

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🌐 Arbaz Khan 🔗 portfolio

PROFILE

Senior Full Stack Developer with over **4.5 years of experience** specializing in architecting enterprise-grade MERN stack applications. Expert in designing scalable system architectures (AWS, Docker) and robust database schemas for complex ERP, POS, and e-commerce ecosystems. Proven track record of leading engineering teams to deliver high-performance web and mobile solutions with a focus on offline-first capabilities and real-time synchronization.

EDUCATION

MCA 11/2022 – 11/2024 | Udaipur, India
MLSU

B.Sc. computer science 08/2019 – 06/2022 | Udaipur, India
MLSU

TECHNICAL HIGHLIGHTS

Frontend:

React, Next.js, Frappe Framework (Exposure), React Native (CLI/Expo), TypeScript, Tailwind, Zustand, Redux, C#

Backend & Database Systems

Node.js, PostgreSQL, MongoDB, Secure REST API Design, Role-Based Access Control (RBAC)

Cloud & Infrastructure

Containerization (Docker), AWS Architecture (EC2, S3, Amplify), CI/CD Strategies

System Design & Resilience

Event-Driven Architecture (WebSockets), Offline-first Systems (IndexedDB & PWA), Real-time Sync

PROFESSIONAL EXPERIENCE

React Native Developer Pincodekart 07/2025 – Present | Udaipur, Raj
Pincodekart 🔗


- Engineered the **MVP architecture and ecosystem of 5 interconnected React Native applications** (Logistics, Vendor, CRM, Customer, and VD) that power daily operations. Developed a **scalable roadmap for 1M+ users** by introducing **microservices and event-driven data pipelines** to resolve monolithic bottlenecks. Integrated high-performance features including **live location tracking, QR payments, barcode scanning, and real-time social chat** using **Zustand** for state management. Additionally, designed **offline-first modules and data synchronization protocols** to ensure system resilience across iOS and Android platforms.

Full Stack React Native Developer Udaipur, India
Idea2Reality 🔗

Directed the **MERN stack development of POS systems** from initial setup to launch, integrating specialized **accounting and management modules**. Spearheaded the **frontend architecture for three web applications** and initiated the development of **four React Native mobile apps**, with a primary focus on **Android support and cross-platform compatibility**.

Full Stack Developer Jaipur, India
Krikal 🔗

Advanced from Intern to **Full Stack Developer and Team Lead**, managing the end-to-end delivery of **React Native mobile apps and Node.js/MongoDB backends**. Built and deployed applications featuring **real-time data, map APIs, and WebSockets** on **AWS infrastructure**, while also developing high-performance **Next.js sites**. Focused on creating **user-friendly UI/UX solutions** for diverse business needs, including **AI chat platforms and e-commerce admin panels**.

Krikal 

Focused on front-end development and UI across various projects, including an AI chat platform, education admission platforms, and optimizing admin panels for inventory and e-commerce systems. Developed user-friendly solutions for diverse business needs.

PROJECTS

Pincodekart

07/2025 – Present

mobile app dev (IOS & android)

As a Senior React Native Developer at Pincodekart, I am building a highly optimized suite of applications—including an e-commerce platform, a Virtual Dukandar (VD) app with live location tracking and QR payments, a real-time social media chat app, and a logistics solution—designed to scale for more than 1,000,000 users. I use React Native and Zustand for clean state management while implementing performance optimizations like data preloading and smooth animations to ensure the apps are fast and user-friendly. By correctly handling complex features such as barcode scanning, device permissions, and secure payment integrations

Pikkro

Multi-App Delivery Platform (Customer, Driver, Admin, Web Dashboard & Backend)

Developing a delivery platform with three mobile apps, web dashboard, and Node.js backend; implemented real-time tracking, notifications, analytics, Razorpay payments, and optimized apps using React Native CLI, Zustand, and AWS deployment.

ApnaDiscount

Three frontend applications

Upgraded UI and business logic of three React Native apps (iOS & Android) for a live coupon platform. Focused on React Native CLI frontend development, improving responsiveness and user experience, and integrated Firebase auth/push notifications.

RetailPOS

Full-Stack POS System

Led MERN stack POS application development with Next.js frontend. Set up architecture from scratch, including database design, backend APIs, and secure functionality with atomic transactions. Built a responsive admin dashboard with dynamic tables and guided team members. Leveraged AI tools for development acceleration.

Mandi ERP

Offline-First Accounting Software for Grocery & Wholesale Markets

MERN stack accounting software with Next.js frontend for mandi operations, managing suppliers, retailers, inventory, warehouse transfers, and GST reporting. Implemented role-based access control, PWA support, IndexedDB for offline capabilities with cloud sync. Included account/group master, sales/purchase entries, and financial reports modules.


SwitchX

Generative AI Social App Support

Contributed to the development of a React Native application (originally Flutter) featuring generative AI for user-customized themes and feeds, similar to Discord. Responsibilities included refactoring code, creating APKs and release builds, overseeing application functionality, and managing critical errors. Played a key role in resolving major issues arising from AI-assisted (Cursor AI) code generation

2D Metaverse Office

Virtual Office App with Real-Time Avatars, Messaging & Video Calls

Developing a 2D virtual office using MERN stack with React, Phaser.js, and Konva.js. Enables avatar movement, real-time messaging (Socket.io ) , and Jitsi Meet video/audio calls. Includes map builder, user roles, and PWA offline support. Containerized with Docker, uses Redis for WebSocket scaling, and designed for future Kafka/Kubernetes scalability. (Ongoing project)

SKILLS

React • Next.js • C# • React Native • Typescript • Docker • PostgreSQL • MongoDB • Node.js • AWS Services • Redis • WebSockets • Git • Jest • HTML5/CSS3 • Unity • 3Js