

MUHAMMADSHAKIL PATEL

SOFTWARE ENGINEER



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Results-driven Software Engineer with 2+ years of hands-on experience designing and deploying enterprise-grade **microservices**, **SaaS platforms**, and **mobile applications**. Proven expertise in building scalable, event-driven systems handling thousands of concurrent users. Awarded Young Developer 2024 for innovative educational platform. Specialized in **Jakarta EE**, **Node.js**, **React.js**, **Kotlin/Jetpack Compose**, **PostgreSQL**, **MongoDB**, and **Apache Kafka**. Strong track record of shipping production systems that solve real-world problems across government, finance, and education sectors.

SKILLS & CORE COMPETENCIES

Architecture & Design: Microservices Architecture (MSA) | Event-Driven Architecture (EDA) | Domain-Driven Design (DDD) | RESTful APIs | Multi-Tenant SaaS | CQRS

Backend Development: Jakarta EE | Node.js/Express.js | .NET Core | Laravel

Database & Persistence: PostgreSQL | MongoDB | MySQL | SQL Server | Firebase/Firestore

Frontend & Mobile: React.js | Jetpack Compose | Flutter | Tailwind CSS | Material Design

Cloud & DevOps: Docker | Apache Kafka | Azure Cloud | GitHub Actions | CI/CD Pipelines

Testing & Quality: API Testing | Docusaurus Documentation | Production Monitoring

EDUCATION

MASTER OF SCIENCE - Information & Communication Technology (M.Sc. ICT)

Veer Narmad South Gujarat University (VNSGU) | 2024 – 2026 (In Progress)

Specialization: System Architecture, Microservices, Cloud Computing

BACHELOR OF COMPUTER APPLICATIONS (BCA)

Veer Narmad South Gujarat University (VNSGU) | 2021 – 2024 Cumulative: 89.03%

EXPERIENCE

FULL-STACK MOBILE DEVELOPER

[September 2024 – June 2025]

WBVF | Bharuch, Remote

- Architected Flutter mobile application with comprehensive state management
- Developed Laravel backend APIs ensuring seamless mobile-backend communication
- Implemented custom authentication and authorization flows
- Deployed to Play Store with 4.5+ ratings and optimized performance (<3s load times)

ANDROID DEVELOPER

[February 2023 – April 2024]

myCampus | Delhi, Remote

- Designed Android app for leading school management platform serving 50,000+ admins
- Built professional UI with Material Design 3 and intuitive UX patterns
- Developed billing app integrating payment gateway management
- Implemented real-time data synchronization with backend services

LANGUAGE

English | Hindi | Gujarati

KEY PROJECTS & DEPLOYMENTS

BoloIndia - Government Feedback Management Platform

[Oct 2025 – Dec 2025]

<https://docs.boloindia.techsavvysolution.in>

Complete microservices-based citizen feedback system democratizing government feedback channels via QR codes and voice & video first interfaces. Architected **7-microservice ecosystem** (auth, org, service, feedback, response, qr, analytics) with **50+ Kafka event topics** for asynchronous communication.

Deployed **polyglot persistence** (PostgreSQL for relational data + MongoDB for dynamic schemas) with independent database scaling per service. Built **2 React.js admin panels** (Platform Admin & Org roles, Citizen Portal) and **Android Jetpack Compose Distributor App** with 4-tier RBAC hierarchy. Designed for **thousands concurrent users** with **sub-200ms API response times**. Implemented JWT authentication, audit trails, hierarchical service management, dynamic form builder (17+ field types), and MinIO object storage for multimedia uploads. Deployed with Docker Compose orchestration, complete OpenAPI specs, and health checks.

Tech: Jakarta EE 10, MicroProfile 6.0, Node.js/Express, React.js, Kotlin, PostgreSQL, MongoDB, Apache Kafka, Docker, Payara, MinIO

ShowCaseMe - Personal Branding SaaS Platform

[January 2025 – May 2025]

<https://patelshakil.techsavvysolution.in/showcaseme.html>

Using React.js and the .NET Core Web API, I developed a **multi-tenant SaaS platform** for personal branding that supports blogs, analytics, dynamic profile pages, and safe file uploads. Created a modular backend with role-based access control, JWT authentication, and more than **55 EF Core entities**. Deployed **CI/CD pipelines** with production-grade dependability and high availability by utilizing **Azure services** and **GitHub Actions**.

KP CSR Management Portal

[April 2025 – July 2025]

<https://admin.kpgroup.co>

Developed an enterprise **CSR management system** for a big corporate group that digitizes impact tracking, fund disbursement, vendor onboarding, and project planning. Created **RESTful APIs** with geotagged milestone reporting and role-based access for field workers, NGOs, and administrators. **500+ active users** were served by secure dashboards and reporting workflows that were delivered.

Tech: Laravel, React.js, MySQL, Google Maps API, REST APIs

SaaS Barcode Inventory System

[Jun 2024 – Jul 2024]

<https://bims.techsavvysolution.in>

Created a **SaaS for multi-tenant inventory management** that includes audit logging, barcode production, and real-time stock tracking. Implemented bespoke **barcode scanning** procedures and role-based access for employees, administrators, and organizations. Produced a production-ready solution with adjustable permissions and segregated data that supports numerous companies.

Tech: Laravel, React.js, Jetpack Compose, MySQL, Google ML Kit

ByteBuddy - The EduCollab Center

[Nov 2023 – Dec

2024]

<https://play.google.com/store/apps/details?id=com.shakilpatel.bytebuddy>

🏆 1ST PRIZE WINNER - Young Developer 2024 (VNSGU)

Educational platform with text-to-speech, translation, notes, FAQs, and real-time chat. Developed **native Android app** using Kotlin and Jetpack Compose with **Firebase Firestore** for real-time synchronization. Implemented **multi-language translation engine** and interactive FAQ system. Achieved **500+ active users** on Playstore.