

Pawan Kumar

Full-Stack Engineer · EdTech & SaaS · AI-Integrated Products

Contact Information

Location: Jaipur, Rajasthan, India
Email: pawanjoshi055@gmail.com
GitHub: github.com/pawan-joshee

Phone: +91 8278613641
LinkedIn: linkedin.com/in/pawan-joshee

Professional Summary

Full-stack engineer with 5+ years of experience building production web and mobile products across EdTech and SaaS. Founder-engineer who owns products end-to-end: architecture, implementation, release, and iteration with users. Built exam platforms serving 500K+ learners, AI-powered OCR pipelines, and real-time quiz delivery systems using Next.js, Flutter, TypeScript, Supabase, and Firebase. Known for translating ambiguous product requirements into reliable, measurable outcomes.

Technical Skills

Languages: TypeScript, JavaScript, Dart, SQL

Frontend: Next.js, React, Flutter, Tailwind CSS, HTML, CSS, Webpack, Responsive Design

Backend: Node.js, Express, REST APIs, API Development, Supabase Edge Functions

Databases: PostgreSQL (Supabase), Redis, Firebase Firestore, MongoDB

Cloud & DevOps: Docker, Kubernetes, Containerization, Supabase, Firebase, Google Cloud, Cloudflare, Vercel, Git, CI/CD

Practices & AI/OCR: Agile Methodologies, Software Development Life Cycle (SDLC), Code Review, Debugging, Gemini API, Mistral API, Google Document AI

Experience

Airflute Technologies / PATAMDE
Founder & Full-Stack Engineer

Jun 2025 – Present
Jaipur, India

- Founded and built PATAMDE from 0 to production as the primary engineer, shipping web and mobile products for teachers and coaching workflows.
- Shipped **Patamde Study Helper** (Flutter + Firebase + Gemini), reaching **10K+ downloads**, with multilingual quiz generation from PDFs, images, and raw text.
- Built an OCR pipeline using Google Document AI with Mistral fallback, improving extraction reliability on low-quality scans and reducing manual content preparation by approximately **80%**.
- Implemented real-time quiz delivery through Telegram Bot API and Supabase Edge Functions with second-level scheduling for question and explanation flows.
- Designed multi-tenant SaaS foundations with organization-level isolation, RBAC, usage limits, and cost-aware storage/caching patterns across Supabase, Cloudflare, and Redis.
- Delivered production products for **6+ client organizations** across travel, retail, media, and robotics, covering full-stack delivery from database design to deployment.
- Standardized software development life cycle (SDLC) processes by creating comprehensive API documentation, operational runbooks, and leading code review sessions to ensure high-quality delivery.
- Developed open-source tools including an Android TV PDF Viewer and GrandParents Dialer, emphasizing D-pad-first TV UX and accessibility-first interfaces.

GBVN Edutech Private Limited
Senior Full-Stack Developer

Jun 2021 – Feb 2025
Jaipur, India

- Led engineering delivery for **Taiyari Karlo**, an exam-prep platform across Android, iOS, web, and admin with **500K+ Play Store downloads** and **10K+ reviews**.
- Owned core learning workflows including courses, test series, e-books, payments, and student analytics across coordinated multi-platform release cycles.
- Built and launched **Taiyari Karlo Skills**, extending the product portfolio with skill-based learning and community features, achieving a 30% increase in user engagement and accelerating time-to-market by 25% without proportional team growth.
- Created shared UI components and reusable business logic across platforms using containerization and Docker, reducing duplicate implementation by 40% and improving release cadence.
- Engineered data-efficient APIs and optimized media loading pipelines for low-bandwidth users in Tier 2/3 regions, reducing app payload size by 60% and improving load times by 2x.
- Conducted regular code reviews and debugging sessions, and authored onboarding guides that reduced new developer ramp-up time by 40%.

Selected Projects

PATAMDE for Teachers (Next.js, TypeScript, Supabase, Gemini, Mistral)

Developed an AI-assisted test generation platform for teachers and coaching institutes featuring multilingual OCR ingestion, chapter extraction, quiz generation, and export workflows.

Polls Patamde (Flutter, Gemini, YouTube integrations)

Engineered a live classroom polling app for YouTube sessions with PDF quiz extraction, multilingual polling, countdown timers, and gamification.

Client Platforms (Next.js, Flutter, Firebase, Supabase, MongoDB)

Delivered end-to-end builds for products across booking, retail, media, and robotics training, including API/backend design, frontend development, and deployment.

Highlights

- Received Google for Startups cloud credits for AI product development.
- Shipped consumer apps, SaaS platforms, and client products end to end across multiple industry verticals.

Education

MGS University, Bikaner

Bachelor of Computer Applications (BCA)

Jul 2015 – Apr 2018

Languages

Hindi (Native), English (Professional)