

Saksham Pandey

Full Stack Engineer

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Professional Summary

Full Stack & Mobile Engineer with 1.5+ years of experience architecting and shipping production web and mobile applications. Experienced in designing scalable backend REST APIs, implementing cloud infrastructure, optimizing database systems, and developing high-performance client interfaces.

Technical Skills

Languages: TypeScript, JavaScript (ES6+), HTML5, CSS3, SQL

Frontend/Mobile: React, Next.js, React Native, Expo, Tailwind CSS, Redux Toolkit, Zustand

Backend & Databases: Node.js, Express.js, RESTful APIs, PostgreSQL, MongoDB, Redis, SQLite

AI & Cloud Infrastructure: LLM Integration, AWS (EC2, S3, Lambda), Vector Databases, Docker

Testing & Tooling: Jest, Playwright, Detox, Git, GitHub Actions, EAS, Turborepo, Multi-tenant Architecture

Professional Experience

Full Stack Engineer, EpixelSoft | Remote

Jan 2025 - Present

- Architected scalable multi-tenant backend services and a platform-agnostic JavaScript SDK for real-time customer event routing and CRM integrations (e.g., Salesforce) on AWS.
- Designed and built robust RESTful APIs using Express, and shipped 6+ production web and mobile applications with secure OAuth/JWT-based authentication.
- Built offline-first systems using SQLite and IndexedDB with reliable sync protocols, reducing API payload sizes by 40%.
- Optimized backend response times and frontend performance on low-end devices using AWS CloudFront CDN caching, bundle optimization, and lazy loading.

Technical Projects

MatriBliss – Privacy-First Matrimony App

[Demo](#) | [GitHub](#)

Tech Stack: React Native, Expo, Node.js, Express, Socket.io, AWS S3, Zustand

- Designed and implemented the real-time notification and chat backend system using Node.js, Express, and Socket.io, deployed on AWS EC2.
- Integrated secure payment gateways (Stripe) and optimized image compression using AWS Lambda serverless functions before storing assets in AWS S3.
- Optimized rendering performance via FlashList, React.memo, and callback hooks for smooth scrolling on low-end devices.

FieldCollect – Offline-First NGO Data Collection Dashboard & PWA

[Demo](#) | [GitHub](#)

Tech Stack: Next.js, Node.js, Express, PostgreSQL, Dexie.js (IndexedDB)

- Built offline-first NGO dashboard and PWA with a Node.js/Express server and PostgreSQL database backend.
- Created reusable forms with React Hook Form and Zod — conditional validation, dynamic field rendering across 20+ field types.
- Implemented relational backend sync queues, retry policies, conflict resolution strategies, and bulk data export options.

Engage – Social Networking Application

[Demo](#) | [GitHub](#)

Tech Stack: React Native, Expo, Node.js, Socket.io, MongoDB, Express, AWS S3

- Developed a scalable social network backend using Node.js, Express, and MongoDB, supporting real-time chat via Socket.io.
- Created a media processing pipeline utilizing AWS S3 buckets for secure, fast media uploads and CDN-based delivery.
- Improved feed scroll performance using FlashList, virtualization, and memoized components.

Finvario – Offline Mutual Fund Portfolio Tracker

[Demo](#) | [GitHub](#)

Tech Stack: React Native, TypeScript, MMKV, AMFI Data, Custom SVGs

- Built zero-account portfolio tracker with 3-layer caching (MMKV + Zustand + React Query), device-level biometric lock, and 100% offline operation — no server, no login.
- Developed custom SVG chart engine with pinch-zoom, pan gestures, and crosshair interaction — plus offline SIP/Goal calculators and Hindi/English localization.

SellPro – Amazon Seller Intelligence SaaS

[Demo](#) | [GitHub](#)

Tech Stack: React, Node.js, PostgreSQL, Redis, AWS Lambda, Amazon SP-API, Stripe

- Built a high-performance, multi-tenant PPC auto-bidding engine using Node.js, Redis (for token bucket rate-limiting), and AWS Lambda to process 50K+ keywords asynchronously.
- Designed the relational database schema in PostgreSQL for storing product sales velocity and predicting inventory stock-out dates.
- Developed background workers and cron jobs to retrieve complex Amazon SP-API data, cross-referencing fee categories to discover lost revenue.
- Added Stripe subscription system for tier upgrades, failed payment recovery, and usage-based billing with zero double-charge risk.

Education

B.Tech in Computer Science & Engineering

Sept 2021 - May 2025

Dev Bhoomi Uttarakhand University, Dehradun

- 2x National level hackathon winner — Padmavyuh 1.0, Padmavyuh 2.0 (developing offline-first apps).