

Rajesh Pandey

Lead Technical Engineer | Healthcare Platforms | Cloud Architecture | Real-Time Data Systems | AI Developer Tools

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PROFESSIONAL SUMMARY

Lead Technical Engineer with 5+ years of experience building healthcare platforms, enterprise modernization programs, cloud-native services, and AI-assisted developer tools. Strong across backend architecture, serverless/event-driven systems, mobile and web product delivery, DevOps, integrations, and production reliability. Recent work spans HelloWellness and Allia Health Group patient, provider, Brello, and real-time data hub systems, plus Polygram, an AI-native design and coding workspace.

CORE SKILLS

Area	Tools and strengths
Backend	Node.js, TypeScript, Java, Spring Boot, Spring Batch, REST APIs, microservices, webhooks, serverless
Cloud and DevOps	Google Cloud, AWS, Cloud Functions, Cloud Run, Pub/Sub, Secret Manager, Docker, Jenkins, GitHub Actions, CI/CD
Data	PostgreSQL, MySQL, MongoDB, Redis, Elasticsearch, Firebase, Supabase, migration/backfill workflows
Frontend and Mobile	React, Next.js, Svelte/SvelteKit, Angular, React Native, Expo, tenant branding, push notifications
AI and Product	LLM workflows, agent orchestration, model routing, prompt systems, context management, generated UI/code pipelines

EXPERIENCE

Lead Technical Engineer | Allia Health Group May 2025 - Present

Surat, Gujarat, India / Remote

- Lead technical delivery across patient platform, admin tooling, Brello mobile/backend systems, provider workflows, and real-time data hub services after HelloWellness merged into Allia Health Group.
- Built and improved event-driven healthcare integration systems using Google Cloud Functions, Pub/Sub, Secret Manager, Cloud Run-backed deployments, Elasticsearch, REST APIs, webhook receivers, and downstream consumer pipelines.
- Worked on WooCommerce, Stripe, Patient Platform, TelegraMD, MD Integrations, LifeFile, EasyPost, Intercom, and provider chat event processing for master-object and distribution workflows.
- Drove Brello and Patient Platform migration work including WooCommerce order/subscription migration, Stripe subscription and billing handover, historical backfills, active order linking, and operational documentation.
- Improved Brello backend capabilities across subscription caching, internal fixed OTP login, medication reminder schedules, user tracking, Elasticsearch configuration, staging/prod CI/CD, and production release workflows.
- Improved patient and mobile experiences including subscription handling, pause flows, medication reminders, OneSignal device registration, tenant branding, notification behavior, and app version releases.
- Enhanced provider workflows including appointments, patient navigation, StreamChat integration, video call behavior, medication/refill forms, lab result handling, and provider documentation.

Lead Software Engineer and Architect | HelloWellness May 2024 - May 2025

Healthcare platform acquired/merged into Allia Health Group

- Joined full-time after Medsi was acquired by HelloWellness, transitioned Medsi systems into the HelloWellness platform, and continued as lead engineer/architect.
- Owned architecture and implementation across telehealth, patient/provider workflows, cloud services, backend systems, integrations, analytics, and release execution.
- Set technical direction while contributing hands-on across product, backend, frontend/mobile, infrastructure, and production support.

Individual Contributor | Polygram 2025 - Present

Hobby and friends project

- Building an AI-native coding and design workspace with a VS Code extension, backend APIs, project synchronization, visual canvas, and chat-based development flows.
- Implemented agent workflows for context management, task memory, skill creation, plan handling, model routing, file attachments, question handling, and execution progress.
- Added product capabilities including OpenRouter support, Moonshot/OpenAI routing, Mermaid rendering, workspace management, OAuth flows, project listing, chat sessions, and generated web app pipelines.
- Built backend capabilities for workspace access, session authorization, Firebase integration, rate limiting, Netlify deployment routes, design processing, job status tracking, and generated React web application flows.

Co-Founder and Lead Engineer | Medsi Nov 2022 - Jul 2024

Dubai, UAE / Remote; acquired by HelloWellness

- Conceptualized, designed, and led development of a scalable telehealth solution launched under multiple brands and geographies before acquisition by HelloWellness.

- Supported product growth to 250k+ mobile app downloads and 5k+ consultations through product engineering, analytics, and marketing/ads optimization.
- Managed the technical transition from Medsi into HelloWellness during the first three months after joining full-time.

Developer | Tata Consultancy Services Nov 2020 - Apr 2024

Mumbai Metropolitan Region

- Led a team to design, develop, test, and deploy a back-office accounting application from scratch, integrating data sources, business logic, and KPI/reporting workflows.
- Provided and implemented solutions for high-volume production accounting applications with direct business impact.
- Designed, developed, tested, and released Java Spring Boot/Spring Batch applications with PostgreSQL database integration.
- Built and consumed REST APIs and microservices across enterprise applications; deployed, administered, monitored, and maintained applications on AWS.
- Built Jenkins CI/CD pipelines for automated build and deployment workflows.
- Enhanced and restructured legacy mainframe applications into Spring/Angular-based RESTful microservices.
- First in business unit to clear TCS Wings 1, TCS's flagship talent transformation program.

SELECTED TECHNICAL IMPACT

Theme	Evidence
Real-time healthcare data hub	Cloud Functions monorepo with shared packages, Pub/Sub event distribution, webhook receivers, Secret Manager configuration, Elasticsearch indexing, master-object processing, and downstream consumer delivery.
Billing and subscription migration	WooCommerce-to-Patient-Platform/Brello migration workflows, Stripe subscription handover, active order linking, historical backfill functions, CSV validation, deployment notes, and operational runbooks.
Patient and provider experience	Medication reminders, OneSignal device registration, subscription pause flows, tenant branding, app links, chat workflows, video call improvements, lab result handling, and provider documentation.
AI developer tooling	Polygram chat/canvas architecture, agent task memory, model routing, skill generation, context chips, file attachment handling, generated React app flows, and workspace/project synchronization.

SELECTED EARLIER LEADERSHIP

Training and Placement Coordinator, Birla Vishvakarma Mahavidyalaya: Organized placement training, recruiter communication, Mega Placement Camp 2019 with 50+ recruiters and 2000+ students, Know-How 2019 with 1300+ participants, and event registration tooling for 2500+ entries.

NCC Sergeant: National Cadet Corps leadership background with Alpha-grade certification, Group Commander's Certificate for Excellence, Gujarat representation at national camp, and selection for Officers Training Academy screening.

PROJECTS

Image Converter: Chrome extension for image format conversion, published with Google verified/featured badges.

Signals: Trading community app concept with expert signals and live crypto/Indian market price integrations.

Road Analyser: ML-based road condition detection using images and mobile/sensor signals.

One Shot Detection: Facial recognition/object detection project using matching networks, Siamese networks, and Mask R-CNN transfer learning.

Power Load Forecast: Deep-learning load forecasting project for power-plant planning, created for the Gujarat Industrial Hackathon/Adani use case.

EDUCATION AND CERTIFICATIONS

B.Tech, Computer Engineering: Birla Vishvakarma Mahavidyalaya, 2016 - 2020; First Class with Distinction.

Certifications: Security on AWS; Google Cloud Platform Business Professional Accreditation; Cloud Engineering with Google Cloud Specialization; Anaplan Level 1 Model Building; Artificial Intelligence: Knowledge Representation and Reasoning; Lean Six Sigma Yellow Belt.