

# Shashwat Shah

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## TECH LEAD | SENIOR BACKEND ENGINEER

Fintech & Banking Integrations · Payment Gateways · API Performance · Team Leadership · Cloud & DevOps

### PROFESSIONAL SUMMARY

Results-driven backend engineer with 5+ years delivering production-grade fintech systems. Deep expertise in end-to-end bank and NBFC integrations (FD, RD, Credit Cards, Savings Accounts), payment gateway integrations (Razorpay, PayU, Cashfree), payment infrastructure (TPV, autopay), and data pipeline engineering (AWS Athena, Glue, Lambda). Proven track record leading teams, coordinating DevOps end-to-end, and accelerating delivery with AI-assisted engineering tooling (Claude, Cursor, Codex). Comfortable owning cross-functional delivery across product, QA, and business in fast-moving fintech environments.

### TECHNICAL SKILLS

|                            |                                                                                                           |
|----------------------------|-----------------------------------------------------------------------------------------------------------|
| Languages                  | Python, TypeScript, JavaScript                                                                            |
| Backend                    | Node.js, NestJS, Express.js, Flask, REST APIs, GraphQL, Microservices, System Design, Distributed Systems |
| Databases                  | MySQL, PostgreSQL, MongoDB, DynamoDB, Redis                                                               |
| Cloud & DevOps             | AWS (EC2, ECS, ECR, S3, Lambda, SQS, EventBridge, CloudWatch, Athena, Glue), Docker, Jenkins, CI/CD       |
| Messaging & Queues         | AWS SQS, BullMQ, Apache Airflow                                                                           |
| Monitoring & Observability | AWS CloudWatch, Structured Logging, RCA, Incident Management                                              |
| AI Engineering Tools       | Claude, Cursor, Codex, ChatGPT / GPT-based assistants                                                     |
| Payment Gateways           | Razorpay, PayU, Cashfree, TPV, Autopay, Issuer/Bank Wrappers                                              |
| APIs & Integrations        | Banking APIs, NBFC Integrations, KYC / Digilocker, Telegram Bot API                                       |

### EXPERIENCE

Tech Lead

Mar 2026 – Present

Fixerra · Remote / India

- Architected and shipped end-to-end banking integrations — including **AU Small Finance Bank** — applying **system design and distributed systems** principles using NestJS and Node.js, from architecture through production release.
- Leading backend delivery across **10+ microservices** in a distributed architecture — driving system design decisions, new feature development, releases, monitoring, and production issue resolution.
- Reduced **API response time by up to 90%** and cut **log volume by ~50%** through query optimization, caching, and structured logging — improving observability and reducing infra costs.
- Managing the **backend team** and coordinating end-to-end with DevOps for CI/CD, production releases, monitoring, incident resolution, and **bank infrastructure clearances** — including vulnerability reports, application security reports, and source code reviews required for banking partner integrations.
- Leveraged AI tools (**Claude, Cursor, Codex**) for API payload analysis, RCA, log triage, and test-case generation — improving production support speed and partner integration delivery.

Senior Backend Engineer

Mar 2025 – Feb 2026

Fixerra · Remote / India

- Built and integrated banking services (**FD, RD, Credit Cards, Savings Accounts**) using **NestJS and Node.js** with payment flows including **TPV, autopay**, and issuer/bank wrappers — reduced manual reconciliation by **95%** through AWS Lambda automation.
- Integrated payment gateways — **Razorpay, PayU, and Cashfree** — for collection, disbursement, and refund flows across multiple banking products.
- Led **Recurring Deposit (RD) integrations for Suryoday Small Finance Bank and Unity Bank** — from system design through production deployment.
- Delivered new **NBFC integrations for Bajaj, Mahindra, and Shriram** from scratch — API payload mapping, edge-case handling, testing, and production rollout.
- Built a **serverless KYC funnel analytics pipeline** using **AWS Lambda, Glue, Athena, and S3** — enabling product teams to track onboarding drop-offs and improve conversion visibility.
- Collaborated with product, QA, DevOps, and business teams to reduce average production issue resolution time from **24h to 6h**.

SDE 1

Sep 2022 – Feb 2025

Primathon · Indore

- Designed and delivered scalable microservices for user management and investment workflows across fintech products.
- Integrated third-party APIs — embedded finance platforms, KYC/Digilocker, and payment gateways — enabling seamless partner interoperability.
- Built GraphQL admin backend and optimized database schemas, reducing query latency by **40%** and improving cross-service data consistency.
- Built an internal reporting dashboard with **Apache Airflow** to automate scheduled database queries and generate structured Excel reports for business analytics.

Python Developer

Nov 2020 – Apr 2022

Airtel (via Accenture, V5 Global, Indovision) · Delhi, India

- Automated network operations with Python scripts and Flask-based web tooling for multi-vendor environments (Nokia, Huawei, Ericsson) — eliminated **14+ hours** of weekly manual effort.

Graduate Engineer Trainee

Jan 2020 – Oct 2020

Airtel · Delhi, India

- Developed network automation web applications for multi-vendor environments (Nokia, Ciena, Huawei) — automated **25+ manual processes** and saved **20+ hours per week**.

ACHIEVEMENTS

 Runner-up — Generative AI Hackathon

Jun 2024

Primathon · Indore

Secured runner-up position for showcasing exceptional skill and teamwork in a Generative AI Hackathon — delivered an end-to-end AI-powered solution under competition constraints.

EDUCATION

B.Tech in Computer Science and Engineering

Aug 2016 – Jul 2020

NIIT University, Neemrana, Rajasthan