

KISHORE KUMAR R

Full-Stack Developer | 4+ Years | Node.js · React · Microservices · Fintech
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PROFESSIONAL SUMMARY

Full-Stack Developer with 4+ years of production experience building backend-heavy, revenue-critical systems across fintech, SaaS, and logistics. Deep expertise in Node.js, React, REST APIs, and microservices, with a strong fintech track record designing idempotent payment APIs, multi-tenant platforms, and real-time async workflows. Proven ability to own systems end-to-end — from architecture through AWS deployment — and deliver under real-world production constraints. Currently seeking new opportunities after completing my role at Mynerva (April 2026).

PROFESSIONAL EXPERIENCE

Freelancer

May 2026 – Present

Independent · Remote

- Built a college application submission platform with an integrated payments backend, using Fastify, Prisma, Supabase, and Flutter.
- Developed a TV app for digital signage in malls and restaurants displaying ads for ad agency HilightMedia, along with an admin dashboard to control and monitor ad campaigns.
- Built an LMS SaaS dashboard for music academies, tuition centres, and karate classes to manage clients, staff, payments, payroll, and attendance.

Senior Software Engineer

Jul 2023 – Apr 2026

Mynerva · Chennai, India

- Owned end-to-end full-stack development of a microservices-based e-learning platform serving thousands of learners — systems covered course creation, creator onboarding, monetisation, and real-time communication.
- Architected and evolved the video delivery pipeline: migrated from FFmpeg-based self-managed transcoding to AWS Media Services, eliminating CPU saturation, reducing average video publish time by ~80%, and clearing persistent queue backlogs.
- Led payment infrastructure migration from CCAvenue to Razorpay — redesigned checkout flows and restructured real-time data models, completing the cutover with zero production data loss across 10,000+ existing transaction records.
- Designed canonical data models and backend APIs powering analytics dashboards covering revenue, conversions, content performance, and user engagement — enabling the business team to move from manual reporting to real-time self-serve.
- Architected a multi-tenant, white-labeled loyalty platform with strict tenant data isolation, configurable reward tiers, menus, and access control — supporting onboarding of new enterprise clients without code changes.
- Centralized sales, revenue, leads, and product data into a unified backend layer enabling tier-based access control, cross-product analytics, and future platform expansion.
- Designed headless backend architecture for internal tools with IP-restricted access and RBAC, securing sensitive operational endpoints from public exposure.
- Built an OCR feature for paper business card scanning for Bubbl, an NFC-based digital business card product, using Python, Flask, Ollama, and the Llama 3.1 8B Instruct model, hosted on Cloudflare.
- Provided technical leadership through system design reviews, code reviews across 5+ feature streams, and cross-team architectural alignment.

Software Developer

Jan 2023 – Aug 2023

Right 2 Pay · Remote

- Sole full-stack developer for a fintech PWA targeting low-bandwidth environments — designed and shipped the entire payments stack from scratch, handling peak loads of 500+ daily transactions.
- Designed idempotent payment APIs with retry logic, reconciliation, rollback handling, and failure recovery fully compliant with NPCI and AEPS operational constraints — reducing failed-transaction disputes by standardising audit trails.
- Integrated biometric authentication for AEPS using Mantra, Morpho, and Precision fingerprint devices with encrypted device-level validation — enabling agents to authenticate customers without a smartphone or internet-dependent flow.
- Built complete DMT services including beneficiary onboarding, verification, and NEFT transfers with partial-failure reconciliation, supporting 3 partner bank integrations.
- Implemented UPI and BBPS payment flows with audit logging, async status polling, and settlement tracking — reducing manual reconciliation overhead by ~70%.
- Built a Flask API for contract signing and digital invoices.
- Automated compliance and agreement document generation using Python, cutting manual onboarding paperwork from ~30 minutes to under 2 minutes per agent.

Software Developer

Mar 2022 – Nov 2022

FR8 (Logistics Platform) · Chennai, India

- Built production-grade internal systems for a B2B logistics platform, contributing to order-matching, fleet management, and HR tooling used daily by 100+ operations staff.
- Developed order-matching and truck-management dashboards handling assignment workflows for hundreds of daily load requests, reducing dispatcher manual effort significantly.
- Built React web dashboards and React Native mobile apps supporting live driver workflows including route confirmation, load acceptance, and status updates.
- Delivered internal HR and operations tools — attendance tracking, leave management, resignation workflows, and salary-advance approvals — replacing manual spreadsheet processes.
- Implemented role-based access control (RBAC) and performance-tracking features, ensuring field agents, dispatchers, and managers each saw only relevant system views.

KEY SYSTEMS BUILT

Mynerva Video Pipeline — FFmpeg → AWS Media Services migration; eliminated CPU saturation, ~80% faster publish
Stack: Node.js, AWS MediaConvert, S3, Lambda, SQS

Multi-Tenant Loyalty Platform — White-labeled rewards engine with configurable tiers, menus, and strict tenant isolation
Stack: Node.js, PostgreSQL, Redis, REST APIs, RBAC

AEPS Biometric Payment Gateway — Fingerprint-authenticated AEPS/UPI/BBPS payments with idempotent APIs and reconciliation
Stack: Node.js, Express, NPCI APIs, Mantra/Morpho SDK, Python, PostgreSQL

Razorpay Checkout Migration — CCAvenue → Razorpay cutover with zero data loss across 10,000+ live transaction records
Stack: Node.js, Razorpay SDK, PostgreSQL, Prisma

Bubbl OCR Card Scanning — OCR pipeline for paper business card capture on an NFC-based digital business card product
Stack: Python, Flask, Ollama, Llama 3.1 8B Instruct, Cloudflare

AI Teacher Cloning Research — Feasibility study on voice, vision, and persona layers for LLM-based educational agents
Stack: RAG, LLM APIs, Python

GPT Clone Project — Personal project building a ChatGPT-style conversational interface backed by a locally hosted LLM
Stack: Ollama (gpt-oss:20b), TypeScript, React, Python

TECHNICAL SKILLS

Languages	JavaScript (ES6+), TypeScript, Python
Frontend	React, Next.js, Redux, React-Query, Context API, HTML5, CSS3
Backend & APIs	Node.js, Express, Fastify, REST API Design, Microservices Architecture, Async Workflows, WebSockets,
Databases	PostgreSQL, MySQL, MongoDB, Redis
ORM / Data Access	Prisma, Sequelize, Drizzle
Cloud & Infra	AWS (EC2, S3, RDS, Lambda, MediaConvert, SQS), NGINX, Linux, Cloudflare
CI / CD	AWS CodePipeline, GitHub, GitHub Actions, GitHub Workflows, GitHub Projects Management, Deployment Automation
Payments & Fintech	Razorpay, Stripe, UPI, BBPS, AEPS, NPCI, DMT, Transaction Reconciliation, Idempotent APIs
AI / Exploratory	LLM Integration, Retrieval-Augmented Generation (RAG), Ollama, System Feasibility Evaluation

EDUCATION

Bachelor of Computer Application · Apollo Arts and Science College, Madras University · 2018 – 2021