

Pradeep Prakash

Bengaluru | pradeep00327@gmail.com | +91 86674 12047 | linkedin.com/in/pradeep-prakash24

Summary

Full-stack engineer with 7+ years of experience building scalable backend systems and intuitive frontend applications. Expertise in designing fault-tolerant data pipelines, event-driven services, and responsive UI using React. Comfortable owning systems end-to-end across design, development, scaling, and production reliability. Strong in Node.js, TypeScript, React, Kafka, MongoDB, PostgreSQL, Redis, and Kubernetes on GCP/AWS.

Experience

Software Engineer III

Fynd (Reliance Retail) | Sep 2022 – Present

Node.js · TypeScript · React · MongoDB · Redis · Kafka · Kubernetes · GCP

- Architected a **6-stage fault-tolerant ingestion pipeline** (Configure → Entity Selection → Staging → Map → Transform → Migrate) processing **200–500 records/sec** at p99 **200–400 ms**; per-stage checkpointing, dead-letter queues, and idempotent writes enable safe re-runs with zero duplication across **1M+ records** migrated to date. (**Fynd Star 2026**)
- Cut peak pod memory by **~80% (1.5 GB → 300 MB)** on 200K+ record jobs by replacing bulk loads with **cursor-based streaming and adaptive chunk sizing** tuned to downstream write throughput; eliminated OOM-driven pod restarts.
- Designed the worker orchestration layer – **token-bucket concurrency, back-pressure propagation, and priority queuing** – enabling **5–10 concurrent merchant migrations** on a shared fleet without resource contention or noisy-neighbour effects.
- Tech-led **Fynd Migrate** (Shopify → Fynd) end-to-end across **3–5 engineers**; platform serves **50+ merchants** and replaced a **2–3 day** manual onboarding flow with self-serve, removing **~70%** of operational effort.
- Owned **Fynd Coupons** from 0 → **97K MAU**; designed APIs, Redis-backed caching, and rate limits. Sustained **200–500 req/s** at p99 **150–300 ms** with **99.9%** availability over **6–12 months** on-call. (**Fynd Star 2025**)
- Reduced production incidents by **40%** across owned services (rolling 90-day baseline) via per-dependency circuit breakers, liveness/readiness probes tied to real health signals (not process-up), and bounded error propagation between microservices. (**Fynd Star 2024**)
- Established design-doc and code-review standards for the team; mentored **3–6 engineers** on distributed-systems fundamentals (consistency, idempotency, retry semantics, failure modes). (**Fynd Star 2023**)
- Built and contributed to **React-based internal tools and dashboards** for migration monitoring, improving visibility into pipeline stages and reducing debugging time for engineers and ops teams.

Senior Software Engineer

Byju's | Jul 2021 – Aug 2022

Node.js · PostgreSQL · Redis · React · Microservices

- Designed and owned **Teacher Tech** – internal platform for onboarding, scheduling, audit, and payroll across **10,000+ tutors**; cut payroll cycle from **3–4 days → 1 day** and removed engineering bottleneck for 3 ops teams.
- Built **Tutor CMS** with React for course and batch management, taking routine academic-content updates from **dozens of eng-tickets/month → near-zero manual dependency**.

Software Engineer

Acube Tech | May 2020 – Jun 2021

Node.js · MongoDB

- Built backend for a **healthcare teleconsultation platform** supporting concurrent real-time patient ↔ expert sessions with high availability.

Product Engineer

Codingmart | Oct 2018 – May 2020

Node.js · RabbitMQ · MongoDB

- Built **event-driven microservices on RabbitMQ** for BookMyShow's ticketing stack, decoupling booking, inventory, and notification flows for fault isolation and throughput.

Skills

Languages: JavaScript (Node.js), TypeScript, SQL

Frontend: React, HTML, CSS, state management, performance optimization

Backend: Distributed systems, microservices, event-driven architecture, REST APIs, GraphQL, system design

Streaming & Messaging: Kafka, RabbitMQ

Data & Infra: MongoDB, PostgreSQL, Redis, Docker, Kubernetes, GCP, AWS, CI/CD

Focus Areas: Scalability, fault tolerance, performance optimization, full-stack system ownership, on-call, incident response

Education

B.E. Computer Science – K.S. Rangasamy College of Technology

2015 – 2019