

NAMBI RAJAN K

Software Architect | Solutions Architect

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SUMMARY

I build and scale SaaS platforms. I own everything technical — architecture, data pipelines, cloud infra, and integrations. I lead engineering teams, run pre-sales discovery, and work directly with customers and business stakeholders on solution design. Experienced in engineering management, team mentorship, and bridging technical execution with business requirements. 7 years in, with a track record of shipping reliably and cutting costs without cutting corners.

SKILLS

Backend/API: Node.js, NestJS, TypeScript, MariaDB/MySQL, PostgreSQL, Redis, RabbitMQ, BullMQ

Cloud/Infra: AWS, Hetzner, Docker, CI/CD, VPC Design, Prometheus, Grafana, Pyroscope, GCP Logging, PostHog

Data/Analytics: ETL Pipelines, Cube.js, StarRocks, MongoDB

Frontend: React, Next.js, Nuxt, Tailwind CSS, Google Apps Script, Vite

Leadership/Client: Engineering Management, Technical Roadmapping, Pre-sales Discovery, Stakeholder Management, Client Solution Architecture, Agile Mentoring

EXPERIENCE

Tech Lead & Platform Architect

GoX — Twominutereports.com | Jul 2020 – Present

Technical Leadership & Solution Strategy

- Owned the technical roadmap and B2B SaaS product architecture, aligning engineering priorities with multi-tenant scaling needs and business goals.
- Led technical discovery and pre-sales architecture reviews for B2B prospects, translating complex requirements into scalable solutions.
- Managed and mentored engineering teams, establishing agile workflows and standardising code review practices.

Infrastructure & Operations

- Migrated core infrastructure from AWS to Hetzner, cutting hosting costs by 60% while maintaining production reliability.
- Redesigned VPC architecture and automated failure recovery, reducing weekly downtime from ~40 min to ~4 min.
- Automated CI/CD pipelines for zero-downtime deployments; cut release time from >10 min to <2 min.
- Implemented observability tooling (Pyroscope, Prometheus, Grafana) to reduce MTTD and accelerate MTTR.

Platform Architecture & API Design

- Designed a 9-service NestJS platform (API, ETL, data engine, integrations, AI, notifications) enabling a unified backend for three product surfaces.

- Architected backend services for Google Sheets, Looker Studio, and SaaS dashboard clients through a shared API and integration layer.
- Managed 6 repositories and defined engineering standards for service boundaries and code quality.

Data Engineering & ETL

- Designed and operated a distributed ingestion pipeline integrating 30+ marketing APIs (Google Ads, Facebook Ads, Shopify).
- Built a transformation service to standardise third-party payloads and reduce pipeline failures.
- Implemented a Cube.js semantic layer with 320+ schemas and Redis pre-aggregation, reducing reporting latency from >180 s to <20 s.
- Added distributed OAuth token rotation and API throttling controls to improve reliability and compliance.

Distributed Systems & Databases

- Designed an async dual-queue system: BullMQ for scheduled jobs and RabbitMQ for fast inter-service communication.
- Configured a hybrid data layer: MariaDB (transactional), StarRocks (analytical), PostgreSQL (persistence), Redis (caching), Firestore (documents).
- Built an AI microservice (Anthropic + Gemini APIs) to generate text insights from structured marketing data.

Frontend Engineering

- Built the SaaS admin dashboard (React, Next.js) using a Lerna monorepo to share components.
- Developed Google Sheets integrations natively (Apps Script) and with React/Vite, bypassing platform memory limits via custom storage abstractions.

Full Stack Engineer

Flixcatalog.com | Dec 2019 – Jun 2020

- Engineered a continuous Node.js scraping engine to index OTT streaming metadata (Netflix, Prime, Hotstar).
- Architected a read-heavy catalog backend (MongoDB + Redis) to serve high-volume search traffic.
- Developed responsive frontend interfaces leveraging SSR for SEO optimisation.

Full Stack Engineer

Cognizant | Sep 2018 – Dec 2019

- Led legacy web application migrations to Angular, deploying secured authentication flows for enterprise clients.
- Built backend services and SQL Server stored procedures in C# to support asynchronous web workflows.
- Managed daily deployment pipelines and staging environments on Azure.

EDUCATION

B.E. – Computer Science & Engineering

Rajalakshmi Engineering College, Chennai