# Prasan Rajpurohit Bangalore, India

Technical Solutions Developer @ Redis | AI/GenAI & Full-Stack Engineering

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## SUMMARY

Technical Solutions Developer at Redis focused on AI/GenAI, vector search, and developer-facing platforms — building demos, tools, and reference applications that unblock Marketing, Solutions, and Applied AI teams. Brings 14+ years of full-stack engineering experience across fintech, government e-tendering, and healthcare domains, spanning the MERN/MEAN stacks to Go, with hands-on ownership of production infrastructure and flagship customer-facing technical engagements.

## EXPERIENCE

### Technical Solutions Developer, Redis

Bangalore, India | Jul 2022 – Present

- Own engineering of the redis.io search platform end-to-end — picked up its Go-based backend, added semantic/vector search across docs and marketing pages, built custom crawlers, and designed incremental re-indexing to avoid costly full crawls.
- Designed and built **Redis Sandbox** (redis.io/try/sandbox), a zero-setup interactive Redis environment for running, sharing, and launching queries from tutorials — widely adopted internally and externally.
- Built **View Demos**, a single discovery/launch point for flagship demos, with a cost-efficient hosting model (shared DB, isolated keyspaces, live+mock LLM mode) that lets new demos ship without proportional new infra spend.
- Sole technical owner of all 14 demos/tutorials for a major Solutions Marketing campaign (caching, fraud detection, mobile banking, real-time inventory, microservices, and more).
- Key technical SME for Redis Vector Search/GenAI — built the developer journey from fundamentals to RAG, semantic search, and streaming-LLM e-commerce chatbots.
- Built the flagship **Face Similarity** demo for AWS re:Invent showcasing Redis Vector Sets; recognized by management as one of the most successful and loved re:Invent demos.
- Stepped in for end-to-end technical ownership on strategic on-site customer engagements (an internal hackathon for Osmos.ai across 16 engineering teams; a Barclays engagement that drove 700+ booth visits) when field coverage was unavailable.
- Built cross-team tooling for Applied AI and Solution Architects, including a multi-agent LangGraph Slackbot (PM Maestro/PRIA) and a Redis-backed data-import utility for

demo seeding.

### Technical Architect, Datamatics Global Services

Bangalore, India | Feb 2021 – Jun 2022

- Served as core Node.js architect for ABSLI (Aditya Birla Sunlife Insurance) and ADB (Asian Development Bank) projects — led API orchestration with AWS Step Functions, designed MongoDB schemas, and set team-wide coding standards and test-coverage practices.
- Owned engineering documentation (Docusaurus) and production Linux infrastructure (EC2, Nginx, Node.js/PM2, MongoDB).

### Antares Systems Ltd (Nov 2014 – Jan 2021)

Bangalore, India

#### Technical Lead

Apr 2019 – Jan 2021

- Led migration of legacy .NET/Java modules to the MEAN stack, improving performance and maintainability of core product modules.
- Directed a Windows-to-Linux infrastructure migration that cut costs and improved reliability, winning the company's **Cost Saving Strategy of the Year** award, presented by the CEO.
- Ran code reviews and technical training that raised team-wide code quality and capability.

#### Senior Software Engineer

Nov 2014 – Mar 2019

- Built the **bidpad** tender-document management module (highlighting, notes) and reusable dashboard/summary-screen components for **Tender Wizard**, an e-tendering/e-auction platform already serving 200+ Indian government departments — enabling per-department views from shared components instead of per-department rebuilds.
- Built crawlers to collect free/public tender data, introduced **Aurelia** (ES6/7) as the team's new frontend framework, and helped centralize logging on the **Elastic stack** — later relied on by IT for ISO compliance across systems.
- Built core modules for **Bid Factory**, a tender-aggregation and bid-preparation product, including a PDF.js-based document viewer, payment gateway integration, and offline client storage.

### Software Engineer, Streamline Healthcare Solutions

Bangalore, India | Jun 2013 – Oct 2014

- Led a cross-browser compatibility initiative on SmartCare Web, a behavioral-healthcare product, and built its client-orders UI module — won the company's **Innovation Award**.

### .Net Developer, Asclepius Consulting

Bangalore, India | Aug 2011 – May 2013

- Built full-stack ASP.NET modules for CHARAK, a hospital information system, covering Pharmacy Store and Diet & Kitchen Management modules.

## EDUCATION

### T.P.I.S.T College of Engineering (JNTU Kakinada University)

B.Tech, Information Technology | Andhra Pradesh, India | 2011

## SKILLS

**Languages:** JavaScript/TypeScript, Go

**AI / GenAI:** Vector/Semantic Search, RAG, LangGraph/LangChain, LLM Streaming, OpenAI/Gemini APIs

**Frontend:** React, AngularJS, Aurelia

**Backend:** Node.js, Express

**Cloud & DevOps:** AWS (EC2, S3, Step Functions, CodePipeline), Docker, Nginx, PM2, Linux

**Databases & Search:** Redis, MongoDB, SQL Server, Elasticsearch

## AWARDS

- **Cost Saving Strategy of the Year** — Antares Systems Ltd, for leading the Windows-to-Linux infrastructure migration
- **Innovation Award** — Streamline Healthcare Solutions, for cross-browser compatibility architecture work