

# Rohit Jain

## Engineering Leader & Architect — Distributed Systems, .NET

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- Engineering leader and architect with 17 years of experience delivering highly scalable, distributed SaaS platforms across FinTech, E-Commerce, and Enterprise domains.
- Expertise in modernizing complex, high-throughput systems using .NET 8, C#, cloud-native patterns, and applied AI/ML on Azure and AWS, with a focus on improving performance, security, and reliability through SRE and DevOps principles.
- Proven ability to drive company-wide technical strategy, set architectural standards, mentor engineers at all levels, and partner across teams to align execution with business outcomes (increased user retention, reduced costs).

## Work History

2022-03 - 2024-12

### Senior Tech Lead Software Engineer

*Entegral, Remote- Knysna, South Africa*

- Owned the v1->v2 modernization of a latency-plagued platform; set the technical vision, roadmap, and guardrails tied to SLOs and customer outcomes.
- Partnered across engineering and product teams to lead cross-stack architecture (.NET 6 services on AWS); made critical, business-first trade-offs (e.g., DynamoDB vs. Aurora/Postgres) that protected feature velocity while de-risking delivery.
- Root-caused performance regressions: identified Redis misuse (scatter/gather, client-side joins) as the bottleneck; redesigned cache keys/data shapes and TTL policies, materially improving p95/p99 and stability.
- Repaired DynamoDB anti-patterns: shifted from normalized, multi-table reads to access-pattern-first single-table modeling (GSIs/LSIs) to eliminate N-way reads and in-code joins; simplified hot paths.
- Championed a data-driven product initiative to create an Automated Valuation Model (AVM); built a prototype using a regression model (e.g., XGBoost) on property feature data (size, location) to predict market values, proving the feasibility of a new potential revenue stream.

**Tech Stack:** C#, .NET 6, React, AWS (Lambda, API Gateway, DynamoDB single-table, S3, CloudWatch), Redis

2016-07 - 2025-10

### CTO & Principal Architect (Founder) (Concurrent Entrepreneurial Venture)

*Investello, (part-time alongside full-time roles until Dec 2024; full-time Jan–Oct 2025)*

- Architected and scaled a value-investing SaaS platform from 0 to 1, achieving 50,000+ registered users and ₹10 Lakh ARR by building a differentiated product with automated valuation engines and high-performance stock screeners.
- Designed and evolved the distributed data platform with scheduled ingestion pipelines, idempotent background workers, and resilient APIs; scaled a manual 100-stock pilot into automated daily/quarterly/annual loads processing 500K+ records via provider APIs, with scheduling, retries, and integrity checks ensuring 99.9% data freshness.
- Built an AI-powered earnings report analyzer using Azure Blob Storage, Azure Functions, and Semantic Kernel to parse long-form earnings PDFs into structured summaries, sentiment, and key metrics, thus providing users with qualitative context beyond raw quantitative data.
- After leaving Entegral in Dec 2024, worked full-time on Investello from Jan–Oct 2025 to pursue product–market fit; when it did not reach the traction targets I'd set, I wrapped up active development and decided to return to a full-time staff/principal engineering role in a larger product organization.

**Tech Stack:** C#, ASP.Net Core, Azure (App Services, SQL, Blob, OpenAI Service), Semantic Kernel

2018-01 - 2022-03

## Principal Engineer & Architect (Consultant)

*Multiple Clients, Remote*

- **Asharqiya Chamber of Commerce (Saudi Arabia):** Architected and led the development of a secure membership portal using .NET Core and SQL Server, implementing configurable workflows, RBAC, and robust auditing to meet enterprise requirements.
- **IDrive (USA) - Enterprise Backup Solution:** Designed and built high-reliability backup/restore services in C# with MongoDB and AWS S3, engineering for data integrity with checksums, resumable uploads, and idempotent operations.
- **GrantEd (USA) - Scholarship Matching Platform:** Developed a sophisticated rules and matching engine in .NET with PostgreSQL, designing scalable schemas and asynchronous notification queues to handle complex eligibility logic.

**Tech Stack:** C#, React, .Net Core, AWS, Azure, PostgreSQL, Mongo DB, SQL Server

2014-04 - 2017-12

## Lead Engineer & Architect

*Cacawaa, Remote-Kuwait City, Kuwait*

- Defined technical strategy and system architecture; built a three-app platform (Customer UI, Shop Control Panel, Admin Console) to power a multi-merchant marketplace.
- Led backend and cloud architecture on Azure (C#, ASP.NET MVC, SQL Server; VMs/Cloud Services, Blob Storage, CDN); established code reviews and development standards for long-term maintainability.
- Drove execution as head of an 8-engineer team—ran Agile ceremonies, removed blockers, improved dev/deployment processes; partnered with CEO/marketing to prioritize the roadmap against business goals.

**Tech Stack:** C#, ASP.NET MVC, SQL Server, Azure (VMs/Cloud Services, Blob Storage, CDN).

2007-06 - 2014-04

## Early Career — Full-time Roles & Projects

*IVP, Arxmind, Contata & Others, Delhi NCR*

- Full Time Roles - Associate Software Engineer (Indus Valley Partners, Jun 2007 – Jun 2008); Senior Software Engineer (Arxmind, Sep 2009 – Sep 2011); Senior System Analyst (Contata, Oct 2011 – Jun 2012).
- Worked across ASP.Net, C#, SQL Server, Azure on data-driven enterprise apps — database design, clean and maintainable code, unit testing, and performance tuning.
- Jul 2012 – Mar 2014: Independent Consultant — executed tech projects across EdTech, Insurance ; built data models, APIs, and production-ready services and Applications using C#, ASP.Net, SQL Server, Azure.

## Education

2003-07 - 2007-06

## Information Technology, Bachelor of Engineering

*Netaji Subhas University of Technology (NSUT), formerly NSIT, Dwarka, Delhi*

## Core Competencies

- Leadership & Strategy: Technical Vision & Roadmaps, Data-Driven Strategy, Technical Prototyping, Cross-functional Collaboration, Product Partnership, Mentoring Senior Engineers, Agile/Scrum.
- Architecture & Systems: Distributed Systems, Cloud-Native Architecture, Applied AI/ML, System Modernization, Microservices, Event-Driven Design, Performance Optimization.
- Engineering Excellence: C#, .NET 8, ASP.NET Core/Web API, React, Redux, TypeScript.
- AI/Machine Learning: Semantic Kernel, LangChain, Azure AI Services (OpenAI, Cognitive Services), AWS SageMaker, Python (Scikit-learn), ML.NET, NLP, Regression Models.
- SRE & DevOps: Observability (Monitoring, Logging, Tracing), SLOs/SLIs, CI/CD Automation, Infrastructure-as-Code (IaC)
- Data & Cloud:
  - Azure: App Service, Functions, API Management, Azure SQL, Cosmos DB (NoSQL), Data Explorer, Blob Storage, Event Grid, Service Bus, Event Hubs, Key Vault, Application Insights, Monitor, Container Apps
  - AWS: Lambda, API Gateway, DynamoDB, S3, EC2.
  - Databases: SQL Server, PostgreSQL, DynamoDB, MongoDB, Redis.
- Tools & Practices: GitHub, Test Strategy & Automation (TDD), Design Patterns, Code Quality, Security Best Practices (OWASP Top 10), Cloud Architecture (Well-Architected Framework)