

# JIGAR PATEL (PMP®, PSPO™ II, 2x AWS Certified)

Technical Architect at [LearningYogi](#)

+91-9924292524 | [jpate14404@gmail.com](mailto:jpate14404@gmail.com)

LinkedIn: <https://www.linkedin.com/in/jigar47> | Medium: <https://medium.com/@jogi47>

## Executive Summary

---

- **14+ years** building and evolving **large-scale, highly reliable web and mobile systems**.
- **10+ years** leading **solution architecture and technical consulting**, shaping **enterprise-grade, multi-product ecosystems** from concept to scale.
- **8+ years** architecting **highly scalable, data-intensive backend systems** using microservices, distributed systems, and event-driven architectures.
- Deep expertise in **system design, complex frontend architectures** with advanced state management, **infrastructure engineering**, and **Agentic AI** systems with multi-step, autonomous workflows.
- Proven ability to set technical vision, define architectural standards, mentor senior engineers, and deliver end-to-end solutions using **TypeScript, Python, Go, C#, and Swift**.

## Core Technical Skills

---

- **Core Languages:** Typescript, JavaScript, Python, Go, C#, Swift & Objective-C
- **Backend:** Node.js, NestJS, FastAPI, Gin, .NET Core, Microservices & Modular Monoliths, GraphQL, gRPC, REST APIs, RabbitMQ, Redis, API Gateways (Kong), Reverse Proxies (Nginx), Service Observability (Grafana, Loki), Code Quality & Static Analysis (SonarQube)
- **Database:** PostgreSQL, MongoDB, DynamoDB, CockroachDB, MS SQL Server, Redis, Time-Series & Metrics (Prometheus), Data Modeling, Indexing, Query Optimization, High Availability & Replication Strategies
- **Agentic AI:** LLM Integration (OpenAI, Gemini, Anthropic), Agentic Workflows & Multi-Step Reasoning, OCR & Document Intelligence Pipelines, Prompt Engineering, RAG Architectures, LangChain, LangGraph, LangSmith, LlamaIndex, AutoGen, CrewAI, Mastra, Pydantic AI, Logfire, Evaluation, Monitoring & Guardrails for AI Systems
- **Frontend & Mobile:** React, Next.js, React Native (iOS & Android), Native iOS & macOS Development, Zustand, Redux, TanStack, Tailwind CSS, State Management, Performance Optimization, SSR & CSR
- **DevOps & Infrastructure:** Kubernetes, Docker, Infrastructure as Code (Terraform, Ansible, AWS CDK), GitOps (ArgoCD), CI/CD Pipelines (Jenkins), Observability (Metrics, Logs, Traces), Load & Performance Testing (JMeter), Reliability, Scalability & Security Best Practices

- **Cloud Technologies:** AWS, Azure, GCP · Cloud-Native Architecture · Multi-Cloud & Hybrid Deployments · Cost Optimization, Scalability & Fault Tolerance

## Professional Experience & Education

---

- LearningYogi [ **Technical Architect** | May 2025 - Present ]
  - Architect and deliver scalable **web and mobile full-stack solutions** across multiple products.
  - Build **Agentic AI pipelines** for document and image extraction using **LLMs with Python and Node.js**.
  - Develop **LLM-powered chat systems** with long-term memory and contextual reasoning.
  - Implement cross-platform **full-stack applications** using **Node.js, React.js, React Native, and .NET Core**.
  - Own architectural decisions across frontend, backend, and AI systems.
- Astral Limited [ **Manager - IT (Tech Lead)** | May 2024 - April 2025 ]
  - Managing three key digital products: **Sales Force Automation (SFA)**, **Astral Loyalty Program (ALP)**, and **Distributor Portal** with a team of 20+ developers.
  - Working on **re-architecting existing applications** by redeveloping them from scratch, embracing the latest technologies to ensure flexibility and maintainability.
  - **Creating proof-of-concept designs** to address sales operations and distributor challenges.
- Yudiz Solutions Ltd [ **Head of Product Development & Project Manager** | Jan 2018 - April 2024 ]
  - Manage complex projects end to end from **Planning to Execution to Delivery**.
  - Experienced a diverse set of projects, including **real money transactions**, **real-time interaction**, **cloud migration**, and **data transformation**.
  - End-to-end architecture and full-stack development across **MERN stack** and **React Native Technologies**.
  - Led the team in creating an **exchange middleware** using Betfair APIs for one of the sports betting products. It gave me good domain and technical knowledge on how exchanges work.
  - Fintech experience in managing **high TPS real money transaction systems**.
  - Worked on **machine learning-based projects** for products, including fraud detection from users' gameplay activity and predicting the best fantasy team based on player past performance.
  - Worked on **data migration and data transformation projects**, including over 100 ETL jobs using Microsoft BI Tools (SSIS, SSAS, & SSRS).
- Yudiz Solutions Ltd [ **Team Lead & iOS Developer** | March 2013 - Dec 2017 ]
- IndiaNIC Infotech Limited [ **Application Developer - iOS** | Dec 2011 - March 2013 ]
- Veer Narmad South Gujarat University (VNSGU) [ **Bachelor of Engineering (B.E.)**, Computer Engineering · (2007 - 2011) ]

## Technical Leadership & Impact

---

- Drives **end-to-end technical execution**, translating product vision into **clear delivery plans**, milestones, and measurable outcomes.
- Leads and influences **cross-functional forums** including requirements workshops, architecture reviews, sprint ceremonies, and executive status updates.
- Strong **domain expertise** across **Sportsbook & Betting platforms, Trading & Exchange systems, Daily Fantasy Sports, multiplayer card games, and large-scale casual gaming platforms**.
- Designs and operationalizes **observability for distributed systems**, including **metrics, tracing, logging, API analytics**, and production monitoring.
- Sets and enforces **engineering excellence standards** across **code quality, CI/CD pipelines, security, reliability, and live operations**.
- Provides **technical leadership and mentorship**, building **high-performing engineering teams** and defining **long-term technical upskilling plans**.
- Expert in **SOLID principles and OOP**, with a strong ability to **review and elevate codebases** across multiple languages for clarity, correctness, and maintainability.
- Architects **technology-agnostic low-level and high-level designs**, aligning **business objectives with scalable technical solutions**, supported by **UML and architectural documentation**.
- Extensive experience building **microservices-based, distributed, highly reliable systems** at scale.
- Strong understanding of **end-to-end testing strategies**, including **full-stack automation and penetration testing**.

## Certifications

---

- PMI Certified Project Management Professional (PMP®)
- AWS Certified Solution Architect - Associate
- AWS Certified AI Practitioner
- Advance Professional Scrum Product Owner (PSPO™ II)
- Aha! Certified Product Management Professional
- N-Power Certified Routing Professional
- LambdaTest Certified Software Testing Professional