Contact

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www.linkedin.com/in/rajpalvishal
(LinkedIn)
vishalrajpal25.github.io (Personal)

Top Skills

Artificial Intelligence (AI)

Python (Programming Language)

Python

Languages

Hindi (Full Professional)

English (Full Professional)

Arabic (Elementary)

Honors-Awards

MongoDB Developer

Publications

The Right Recommendation System
for Big Data

Java Code Geeks Associate Editor

Patents

Methods and Systems for
Establishing a Centralized Analytics
Environment

Vishal Rajpal

Product Engineering | AI & Data Platform Strategy | Agentic AI
Architecture, MLOps, Cloud Data Platforms
San Francisco Bay Area

Summary

I build Cloud Data Infrastructure, Industrialized ML Platform with
MLOps, and AI agent platforms at enterprise scale.

At Fractal Analytics, I lead engineering for Cogentiq — an enterprise
agentic AI system deployed across Fortune 500 companies. The
work spans multi-agent orchestration, production LLM systems, and
integrating AI workflows into long-standing enterprise architectures.

Prior to that, I led the North America Engineering team at Fractal
in the Head of Engineering role. The team included 70+ members
across varied roles, industries, specializations & clients

Earlier, at Databricks, I led solution architecture for large-scale
data platform transformations across banking, manufacturing, and
pharma — petabyte-scale systems that drove the early adoption
of Unity Catalog, serverless compute, and production-grade data
engineering.

At McKinsey QuantumBlack, I helped build Asia's first end-to-
end MLOps platform for an enterprise — taking 20+ ML models
from notebooks to reliable production workflows across distributed
business units.

Before that, I worked on distributed systems and real-time analytics:
pricing engines at Morgan Stanley, recommendation systems for
retail, and operational analytics in healthcare and insurance. The
constant theme has been making complex systems work reliably at
scale.

Specializations:
• Enterprise AI adoption succeeds through integration —
orchestration, observability, and security matter more than any single
model.

• MLOps at scale is as much organizational design as technical architecture.
• Cloud data modernization is a migration problem, not just a tooling problem.
• Technical due diligence is pattern recognition — after enough systems, you see the same architectural and team design traps repeat.

Technical focus:
• AI & ML — multi-agent systems, LLM orchestration, MLOps platforms, production ML infrastructure
• Data — Databricks, Spark, Delta Lake, Unity Catalog, data governance, real-time streaming
• Cloud — AWS, Azure, Kubernetes, distributed systems, serverless architectures
• Engineering — Python, Java, platform engineering, system design, architecture

I'm interested in conversations about enterprise AI architecture, platform engineering at scale, and how systems and organizations co-evolve to make AI real at enterprise scale.

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Experience

Fractal
2 years 7 months

VP of Engineering
April 2025 - Present (8 months)
Palo Alto, California, United States

• Led adoption & deployment of Cogentiq, Fractal's enterprise Agentic platform, for Fortune 500 enterprises driving step-change in productivity and top-line impact (brief time
• Architected / enhanced the core multi-agentic design pattern for cognitive orchestration, conversational memory layer, auto eval framework
• Operating as a cross-functional leader, driving engineering, product roadmap, client onboarding, and GTM
• Converted field lessons into product features & creating the operating model between FDE, product, engineering

Head of Engineering, North Americas

May 2023 - March 2025 (1 year 11 months)

- Lead the North America engineering team with overall headcount of 70+ engineers, architects, principals.
- PNL and growth responsibility across 3 vertical practices
- Thought partner to CXOs of Fortune 500 companies consulting across Data, Platform & AI strategy.

Databricks
Lead Solutions Architect, Enterprises
November 2021 - May 2023 (1 year 7 months)
Mumbai, Maharashtra, India

- I consult top banks, financial institutions, NBFCs, enterprises in India; involved with their CTO, CDO, CIO orgs to design and implement their Data & AI strategy using Databricks on AWS/Azure/GCP
- Also, led Unity Catalog, User Federation adoption for India's 1st enterprise customer - regulated bank

McKinsey & Company
Principal Engineer
October 2019 - November 2021 (2 years 2 months)
Gurugram, Haryana, India

- Led multiple teams & case studies across MLOps, Data Engineering, Data Strategy, platform modernizations powering data science models for manufacturing and pharmaceutical clients
- Led one of Asia's first end-to-end MLOps platform consulting & adoption for a distributed enterprise

QuantumBlack
2 years 4 months

Principal Data Engineer
November 2019 - November 2020 (1 year 1 month)
Gurugram, India

Principal Engineer
August 2018 - November 2019 (1 year 4 months)
Greater Chicago Area

Website: https://www.quantumblack.com/

Fractal Analytics
4 years 4 months

Director - Global Consulting

November 2015 - July 2018 (2 years 9 months)

Greater Chicago Area

- Real time analytics
- Work with multiple organizations across various industries to define the Big data strategy and road-map
- Connect with members across teams within the organizations - IT, Business, Analytics, Governance and Compliance for Big data initiatives, strategy and tactical implementation
- Understand business problems and translate them to analytical solutions for competitive advantage
- Define Big data infrastructure, technology stack, implementation patterns, security and governance needs (solution architecture)
- Migrate analytical models and outputs to Big data infrastructure
- Production deployment of models on Hadoop, leveraging Hive, Spark, scikit, Oozie, shell, native development

Associate Director - Big Data

April 2014 - October 2015 (1 year 7 months)

- Evaluate open source tools in Big data and distributed computing space, formulate the Big Data technology stack for Fractal and clients.
- Solve big data problems for Analytics using open source tools (client projects) including migration of projects from Alteryx to Hadoop (YARN)
- Projects: Recommendation Engines, Text Mining (Unstructured Text), Distributed Analytics, TimeSeries Prediction
- Set up of 4 Hadoop Clusters (2 production, 2 staging) – Cloudera & Hortonworks
- Hiring
- Sales strategy, technology capability building

MSCI Inc.

Senior Associate

January 2010 - March 2014 (4 years 3 months)

- Part of the real-time index generation IT team
- Responsible for developing and supporting various modules of the real-time benchmark index generation process
- Designed and developed various loaders for the fundamental data based indexes
- Part of the core team responsible for launch of DM Micro Cap indexes

Accenture
Senior Analyst
July 2005 - December 2009 (4 years 6 months)
Mumbai Area, India

- Handled multiple design and development roles in the Accenture Life
Insurance Platform product
- Worked across multiple Energy trading clients for designing, developing,
enhancing and customizing the software and deployments
- Spear-headed one of the first projects based on SOA architecture using open
source Active MQ series for communication between loosely coupled systems
- Pre-sales for technology products in Energy Trading and Risk Management
domain
- Capability contribution at Accenture IDC

Education

Rajiv Gandhi Prodyogiki Vishwavidyalaya
B.E., Electronics and Telecommunication · (2000 - 2004)

Udgam