

Pravesh Chhabra

AI Leader · AI Architecture · Forward Deployed Engineering

India · +91 99105 03502 · chhabrapravesch@yahoo.com · [linkedin.com/in/praveshchhabra](https://www.linkedin.com/in/praveshchhabra) · [praveshchhabra.com](https://www.praveshchhabra.com)

SUMMARY

AI leader with 16+ years of technology and engineering experience across five domains: data centers, real estate, education, media, and intellectual property. I connect AI strategy with hands-on architecture, customer-focused engineering, and team adoption to turn business priorities into working solutions. Recent work spans agentic and graph-based systems in production, multi-agent platforms with governed tool access and durable execution, and AI-assisted engineering adoption across delivery teams.

SELECTED WORK

Production systems — one of the largest data center operators in the US

- **Agentic & Graph-Based Alarm Correlation — In Production** (Production AI system). Combined agentic analysis with graph-based infrastructure relationships and telemetry context to correlate related alarms, support probable root-cause investigation, and help reduce incident triage time.
- **Power Billing Data Platform — In Production** (Invoicing data platform). Turns metered telemetry into reviewed per-device energy aggregates for invoicing, with ML-assisted anomaly detection informing the review.
- **Predictive Power Procurement Platform — In Production** (Forecasting platform). Supports power procurement planning through forecasting and cost optimization.
- **Insights Data Platform — Implemented** (Data platform). Built and evolved the Insights data platform, supporting an ecosystem of 300,000+ devices.

AI products and adoption

- **AI SDLC Platform — Local MVP** (Multi-agent platform · built personally). A governed multi-agent platform that takes a business brief through analysis, design, security review, development, and testing — with people approving each step.
- **Bharat Intel — AI Agents for Indian Stock Market Intelligence — In Development** (AI product · built personally). An explainable research and decision-support tool for NSE and BSE stocks, where deterministic analysis runs first and an AI agent only explains results it can cite.
- **AI-Assisted Engineering Transformation — Implemented** (Organizational adoption · 3Pillar). Moved AI use in delivery teams from individual experimentation to shared, governed practice.

EXPERIENCE

3Pillar	Sep 2017 – Present
Senior Manager, Product Development	Feb 2022 – Present
<ul style="list-style-type: none">• Lead architecture and delivery of production AI and data platforms for one of the largest data center operators in the US: agentic alarm correlation, the Insights data platform (300,000+ device ecosystem), power billing data, and procurement forecasting.• Defined and led AI-assisted engineering adoption across delivery teams: role-based agents, a reusable skills framework, governance standards, and enablement.• Designed and proposed a Forward Deployed Engineering operating model to executive leadership (proposal; not yet adopted).• Core member of the Generative AI Innovation Center of Excellence; shaped RFP responses, estimates, and go-to-market solutioning with executive stakeholders.	
Technical Manager	Jul 2020 – Feb 2022
<ul style="list-style-type: none">• Engineering delivery, architecture governance, and cloud modernization across multi-team programs.	
Senior Technical Lead	May 2019 – Jun 2020
<ul style="list-style-type: none">• Architecture direction for complex platforms and engineering standards.	
Technical Lead	Oct 2017 – Apr 2019
<ul style="list-style-type: none">• Platform design, client alignment, and delivery for enterprise software.	
Associate Consultant · HCLTech	Feb 2017 – Sep 2017
<ul style="list-style-type: none">• Technology delivery and architecture alignment for enterprise stakeholders.	
Module Lead · 3Pillar	Oct 2012 – Jan 2017
<ul style="list-style-type: none">• Module delivery, architecture quality, and client collaboration.	
Software Developer · Clairvolex Knowledge Processes	Sep 2011 – Sep 2012
<ul style="list-style-type: none">• Production software and product features for patent management on CIPIS (Clairvolex Intellectual Property Information Services).	
Software Developer · Brain Technosys	Nov 2010 – Aug 2011
<ul style="list-style-type: none">• Web and software applications for global clients; full-stack development and production delivery.	

DOMAINS

- **Data Centers — One of the largest data center operators in the US:** Production AI and data platforms across a 300,000+ device ecosystem: alarm correlation, IIoT data pipelines, billing data, and procurement forecasting.
- **Real Estate — BrightMLS / Realchemy:** Architecture and data modernization, including the Realchemy data lake integrating 100 MLS data sources for analytics and decisioning.

- **Education — Common App:** Architecture and engineering for higher-education application platforms: cloud-native modernization with .NET Core, serverless AWS, and microservices.
- **Media & Entertainment — Acetrax (later acquired by Sky):** Digital media delivery, movie encoding workflows, Splunk observability, and CI/CD automation.
- **Intellectual Property — Clairvolex:** Production software and product features for patent management on CIPIS (Clairvolex Intellectual Property Information Services).

SKILLS

AI & agents: Multi-agent systems · MCP · LLM integration (Claude, Azure OpenAI, Amazon Bedrock AgentCore) · Durable execution (Temporal) · DSPy · RAG · Evaluation and governance

Cloud & platform: AWS (ECS, Lambda, API Gateway, DynamoDB, S3, SQS) · Terraform · Docker · CI/CD · OpenTelemetry

Data: IIoT and telemetry pipelines · DAG orchestration · InfluxDB · ClickHouse · PostgreSQL / pgvector · Dgraph · Data lakes · Splunk

Engineering: Python · FastAPI · TypeScript · React · Angular · .NET Core · Microservices · Event-driven architecture

PUBLISHED WRITING

- [Building Multi-Agent Systems That Can Recover from Failure](#) — LinkedIn, Oct 15, 2026
- [Jev: AI That Makes Decisions, Not Just Text](#) — LinkedIn, Sep 24, 2026
- [The Part of the AI Hacking Stories That Stayed With Me](#) — LinkedIn, Sep 21, 2026

CERTIFICATIONS

- AWS Certified Solutions Architect – Professional
- AWS Certified Solutions Architect – Associate
- AWS Certified Developer – Associate
- Splunk Certified Administrator
- Splunk Certified Power User
- IIT Kanpur Executive Technology Program

EDUCATION

- MCA, Indira Gandhi National Open University (2010)
- B.Com, CCS University Meerut (2007)