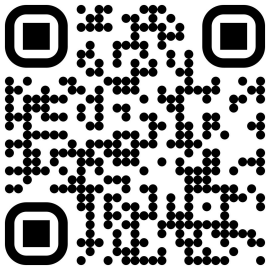


PRACTECHAL

Aligning modern technology
with real-world needs

July 2025



<https://practechal.solutions>



Where PRACTECHAL Delivers Impact



Technology Domains



Cloud & Infrastructure: Modernizing systems for agility, scalability, & operational clarity.



AI & Automation: Applying AI and automation to streamline workflows & unlock insights.



Security & Compliance: Embedding protection, compliance, & risk mitigation into every layer.



Networks & Connectivity: Building secure, scalable networks to support growth & hybrid operations.

Operational Scenarios



Modernization & Transitions: Helping teams move from legacy to future-ready systems.



Cross-Functional Alignment: Synchronizing tech, teams & outcomes – strategy to execution.



Operational Enablement: Tools, dashboards, and guidance to run business with confidence.



Product & Solution Delivery: Deploying tools, platforms, and integrated capabilities.



Resilience & Continuity: Ensuring uptime, fallback, and recoverability for critical systems.

How We Do It - The PRACTECHAL Way



When growth, systems, and security pull in different directions, PRACTECHAL bridges the gap with a simple 4-step framework:



Diagnose the Disconnect

Uncover gaps, misalignments, and risks by engaging across business, tech, and security teams. Identify not just what's broken, but why it matters.



Architect the Solution

Translate findings into practical system and process designs. Balance modernization with pragmatism for solutions that fit you, not just theory.



Align Stakeholders

Facilitate cross-functional clarity. Use shared language to define the strategy, secure buy-in, and ensure teams are moving in the same direction.












Deliver Results

Execute alongside your team, ensuring knowledge transfer of tools & playbooks. Engineer smooth handoffs for solutions that last beyond the engagement.

What We Solve – Sample Scenarios by Technology



Technology Domain	 Modernization & Transitions	 Cross-Functional Alignment	 Operational Enablement	 Product & Solution Delivery	 Resilience & Continuity
 Cloud & Infrastructure	Migrate legacy stacks to cloud-native, secure, and scalable AWS-based architecture.	Translate infrastructure changes into business impact for exec & operations.	Build KPI dashboards and observability layers to monitor infra health.	Stand up deployment pipelines and IaC for faster dev-to-prod cycles.	Design and validate BC/DR playbooks across hybrid and cloud systems.
 AI & Automation	Transition from “AI curiosity” to real use cases using OpenAI APIs and RAG patterns.	Help business and tech leaders align on use of AI/automation in workflows.	Automate config checks, rollout validation, and reporting tasks via lightweight tools.	Prototype AI-enabled tools (e.g. AI agents, chat UX) and advise on production hardening.	Identify AI risks and fallback strategies; ensure critical ops don't depend on AI uptime.
 Security & Compliance	Embed NIST/ISO-aligned practices into cloud and system transformation projects.	Facilitate joint risk reviews across IT, security, and compliance stakeholders.	Implement config baselines and zero-trust models that teams can operationalize.	Guide security feature rollouts, auth models, and audit-readiness steps.	Ensure critical systems meet compliance even under outage or breach conditions.
 Networks & Connectivity	Modernize network backhaul, node setup, and IPsec-based site onboarding.	Clarify roles between network ops, product, and deployment for smoother launches.	Create rollout playbooks/checklists that reduce integration failure rates.	Build or advise on dashboards for network management (AWS-hosted, e.g.).	Architect connectivity fallback paths and secure tunnels for public networks.

Representative Projects



Cast & Track – SaaS Product (Founder-led Project)

Developed and launched [Cast & Track](#), a SaaS platform to streamline job-seeking workflows. Designed and implemented frontend UI/UX (React UI), AWS backend, and secure data model for database access and file uploads.

UI/UX Usability Breakthrough (Customer Requirements Gathering)

Resolved long-standing usability issues by reframing customer sessions into structured requirement capture. Broke gridlock, delivered 8+ actionable requirements and introduced a new engagement model to sustain progress.

5G mmWave Network Deployment (National Rollout Program)

Guided deployment of virtualized 5G networks, from requirements to integration. Defined KPIs, mitigated compliance risks, and enabled on-time rollout of a \$500M 5G expansion.

4G/5G Configuration Automation (Large-Scale Network Program)

Led cross-functional effort across customer and vendor teams to consolidate fragmented parameter lists into a single configuration source. Automated rollout to achieve a >95% compliance across the network.

Cloud-Based Network Management (Cloud Security Engagement)

Conducted cloud security review and risk mitigation for AWS-hosted network management platform. Defined compliance controls aligned to the enterprise risk frameworks.

Configuration Audit & Correct (Operational Trust Recovery)

Turned around a failing 4-week audit project through risk controls, phased rollout, and proactive customer communications. Completed in 4 months with restored confidence and sustainable process improvements.

The Consultant: Trusted, Certified



Ravi Shrivastava
MS, MBA, SAA, CISSP
Principal Consultant

A hands-on consultant with over 20 years of experience across Tier-1 telecom, cloud, and secure infrastructure deployments. Ravi specializes in network modernization, cloud transformation, and aligning security with business outcomes.

As the founder of PRACTECHAL Solutions, he brings together deep technical expertise and cross-functional clarity – helping teams move from complexity to confidence. His consulting is grounded in delivery, not decks.



Certified Information Systems Security Professional (CISSP)
AWS Solutions Architect Associate (SAA)



MBA (IIM Lucknow)
MS in Mathematics & Computer Applications (IIT Delhi)

PRACTECHAL: What You Can Expect



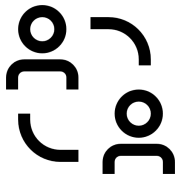
Listen, then Solve

- Every engagement tailored to your reality – no cookie-cutter playbooks.
- Prioritize your outcomes, not just technical checkboxes.
- Ask the right questions before recommending solutions.



Bridge Tech & Business

- Make complexity understandable – for executives and engineers alike.
- Align systems, people, and priorities.
- Communicate at code and boardroom levels.



With You, Not At You

- Work side-by-side with your team for lasting impact.
- Build tools, playbooks, and knowledge transfer into delivery.
- Value collaboration over PowerPoints.

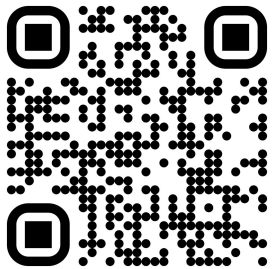


Real World Solutions

- Focus on what works, & simplify instead of over-engineering.
- Always aware of quality, security, and scalability.
- Don't chase hype — build what helps.

Let's Discuss Your Challenges!

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