



Enterprise Cloud Architecture & Turnkey Infrastructure Delivery

ITBrainHub is an elite managed technology engineering partner. We architect, deploy, migrate, and maintain mission-critical cloud and on-premises infrastructure for scaling enterprises. Operating on a strict **Senior-Engineers-Only** model, we eliminate junior dispatchers and provide direct access to veteran multi-cloud architects (AWS, Azure, GCP) backed by CIS Level 2 hardening and guaranteed sub-15-minute response SLAs.

< 15 Min

P1 RESPONSE SLA

Direct senior engineer escalation

99.99%

MANAGED UPTIME

High-availability architecture

35% – 50%

CLOUD COST REDUCTION

Automated FinOps & tiering

15+ Yrs

AVG. SENIORITY

Zero junior outsourcing

THE ITBRAINHUB ADVANTAGE: 4 FOUNDATIONAL PILLARS

100% Senior Practitioners (No Junior Desks)

No scripted call centers or junior dispatchers. Clients interface directly with named multi-cloud architects holding 15+ years of enterprise experience across high-frequency finance, healthcare, and global ERPs.

CIS Level 2 Hardened Security by Default

Security is built into day zero. Every VM, container cluster, and network route complies with CIS Benchmark Level 2 baselines, zero-trust SSO access, and automated weekly non-disruptive kernel patching.

100% Client Intellectual Property Ownership

Zero vendor lock-in. You retain complete, unencumbered ownership of all Terraform/OpenTofu IaC templates, application code, CI/CD pipelines, database schemas, and architectural runbooks.

Full Technology Lifecycle Coverage

From bare-metal server staging and datacenter colocation to zero-downtime cloud migration, bespoke web/mobile development, and 24/7/365 proactive NOC monitoring.

MISSION, VISION & CLIENT COMMITMENT

PILLAR	OUR ENTERPRISE COMMITMENT TO YOUR TEAM
Our Mission	Empower growing organizations and enterprises with resilient, secure, and cost-effective IT platforms without vendor lock-in or licensing traps.
Our Vision	To stand as the industry's most dependable technology partner, recognized globally for uncompromising technical excellence and rapid SLA execution.
FinOps Transparency	We proactively right-size compute instances, eradicate orphan volumes, and auto-tier cold objects, yielding recurring cost reductions of 35% to 50%.



 1. Multi-Cloud Architecture & FinOps (AWS, Azure, GCP)

CLOUD ENGINEERING

Modular, self-healing multi-cloud infrastructure managed through Terraform & OpenTofu GitOps. Includes pre-hardened Linux/Windows VMs, cross-region VPC peering, auto-scaling clusters, and multi-tier intelligent cloud storage with automated WORM ransomware protection.

- Terraform IaC
- CIS Level 2 VMs
- FinOps Optimization
- Direct Connect / ExpressRoute
- Storage Auto-Tiering

 2. Zero-Downtime Infrastructure & SAP S/4HANA Migration

MIGRATION PRACTICE

White-glove workload rehosting and database migrations with zero data loss. Continuous Change-Data-Capture (CDC) syncs data in real time, accompanied by sandbox pre-flight dry runs prior to cutover. Certified transitions for SAP ERP to SAP S/4HANA with custom ABAP remediation.

- CDC Real-Time Delta Sync
- SAP S/4HANA Certified
- Sandbox Dry-Runs
- Post-Cutover Query Tuning

 3. 24/7/365 Proactive NOC Operations & Managed Support

MANAGED SERVICES

Comprehensive telemetry, distributed observability, and automated patch management. Critical incident (P1) escalation guaranteed in under 15 minutes to named senior architects. Routine disaster recovery rehearsals ensuring verifiable RPO and RTO compliance.

- <15 Min Critical SLA
- 24/7/365 NOC Observability
- Kernel Live Patching
- Automated DR Drills
- Annual AMC

 4. Enterprise Cybersecurity & Zero-Trust Single Sign-On (SSO)

SECURITY & IDENTITY

Enterprise IdP federation across Microsoft Entra ID (Azure AD), Okta, and Google Workspace via SAML 2.0 and OIDC. Automated SCIM 1-click user lifecycle provisioning, FIDO2 biometric authentication/passkeys, and bastion PAM session auditing.

- Okta & Entra ID
- SCIM Provisioning
- FIDO2 / WebAuthn MFA
- Least-Privilege RBAC
- PAM Bastions

 5. Custom Software & Autonomous Enterprise AI Agents

SOFTWARE & AI

Bespoke web and mobile applications engineered for high concurrency and resilience. Enterprise AI Support Agents trained on internal organizational SOPs, runbooks, and wikis for instant L1 triage, safe runbook execution, and seamless senior human escalation.

- Private RAG Knowledge Bases
- Autonomous L1 AI Triage
- Bespoke Full-Stack Web/Mobile
- 100% Code Ownership

 6. Enterprise Hardware Staging, Server Rental & Procurement

HARDWARE & DATACENTER

Procurement, staging, and rental of tier-1 bare-metal servers (Dell PowerEdge, HPE ProLiant, Lenovo), SAN/NAS storage arrays, and Cisco enterprise switching. Every unit undergoes 24-hour burn-in stress diagnostics and custom OS pre-imaging prior to delivery.

- Dell & HPE Tier-1 Hardware
- Commercial Lease/Rental
- 24h Stress Burn-In
- Hardware AMC Support



PROPRIETARY TECHNOLOGY ACCELERATORS

⚡ Opsigil™ — Autonomous Multi-Cloud Operator & AI DevOps Copilot

Our proprietary multi-cloud orchestration engine. Generates GitOps-ready, verified Terraform from plain English prompts across AWS, Azure, and GCP. Conducts pre-flight FinOps pricing simulations and enforces organizational compliance guardrails prior to executing deployments.

🛡️ Security Scan™ — Automated Network & Web Security Scanner

Automated external vulnerability probing engine that continuously tests public domains, APIs, and IP blocks for SQLi, XSS, Path Traversal, SSL/TLS handshake grades, and HTTP security header compliance. Available live at www.itbrainhub.com/SecurityScan.

CERTIFICATIONS & TECHNOLOGY ECOSYSTEM

☁️ AWS Certified Solutions Architect Professional

💎 Microsoft Certified: Azure Solutions Architect Expert

🌐 Google Cloud Certified Professional Cloud Architect

⚡ SAP Certified Technology Associate (SAP HANA)

🔒 CIS Benchmark Level 2 Hardened Baselines

💻 Dell PowerEdge OEM Partner

💻 HPE ProLiant Enterprise

📁 Okta & Microsoft Entra ID Partner

🏢 Cisco CCNP Certified Network Engineers

FLEXIBLE ENGAGEMENT MODELS

MODEL	STRUCTURE	BEST SUITED FOR
Managed Services & AMC	24/7 proactive monitoring, guaranteed <15 min SLAs, recurring FinOps optimization, security patches.	Organizations seeking turnkey, hands-off infrastructure management without hiring an internal NOC.
Fixed-Scope Projects	Milestone-based delivery for cloud migrations, SAP S/4HANA transitions, or Terraform IaC buildouts.	Cutovers and modernization projects requiring guaranteed delivery timelines and zero downtime.
Dedicated Senior Architect	Dedicated fractional or full-time senior multi-cloud architect embedded directly within your sprint cycles.	Engineering teams that need seasoned technical leadership, architecture reviews, and mentorship.

Ready to modernize your infrastructure?

Connect directly with our lead multi-cloud architects for a discovery session.

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📞 Direct Inquiry Form: itbrainhub.com/#contact