

BITHOST

a unit of ZHOST Consulting Private Limited

Company Profile

Protect. Optimize.

We help businesses stay safe online, move to the cloud without the stress, and build software that actually solves problems.



Patna · Bangalore · Kolkata · Bhubaneswar · Delhi



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+91-9113366525

Private & Confidential

WHAT WE DO

5

Security services

3

AI services

8

Cloud & infra services

9+

In-house products

Honest work that gets results.

Bithost is a technology services company delivering cybersecurity, AI, cloud, and custom software — end to end, in-house, from India. We do not sell concepts; we fix the thing that is actually broken.

Every engagement runs through one team spanning security, cloud, AI and software delivery, so nothing falls through the cracks between vendors.

16

services across 3 pillars

9+

in-house products

5

India offices

A unit of ZHOST Consulting Private Limited.

OUR OFFICES



Patna, India – 800002



Bangalore, India – 560064



Kolkata, India – 700091



Bhubaneswar, India – 751021



Delhi, India – 110092

"Expert guidance for sustainable innovation" — our team helps software excel in a competitive landscape.

Every service under one roof.

Security, cloud, AI and software — all in-house, all from India, all pointed at the same goal: making your technology actually work for you.



Security

5 services

We try to break in before the bad guys do — then close what we find.



Artificial Intelligence

3 services

AI that earns its cost — integrated, private, and secured.



Cloud & Infrastructure

8 services

Cloud that works for your budget and does not break at 2am.

SECTION 01 · SECURITY

Security

Five services covering penetration testing, API security, incident response and operational technology.

01

We break in before the bad guys do.

Five services covering offensive testing, incident response and operational technology — delivered by one in-house team.



Cybersecurity VAPT

We try to break in before the bad guys do.



API Security Audit

Your APIs are open doors. We check every lock.



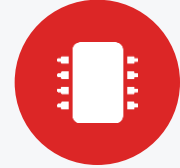
Incident Response

Something went wrong. We help you stop the bleeding.



OT / ICS Security

Factory floor security without touching the line.



IoT & Edge Security

Every connected device is an attack vector.

SECTION 02 · ARTIFICIAL INTELLIGENCE

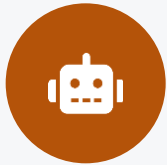
Artificial Intelligence

Private LLM hosting, workflow integration and security for the AI systems already in use.

02

AI that actually earns its cost.

Three services that put AI to work inside the business — privately hosted, integrated with existing workflows and secured end to end.



Agentic AI Security

AI that works for you without becoming a liability.

Agent guardrails · Prompt-abuse defence · Runtime monitoring



Sovereign AI

Your own private LLM on your own infrastructure.

Private LLM hosting · On-prem inference · Data residency



AI Integration

Smart tools that handle the boring stuff for you.

Workflow automation · RAG pipelines · Model evaluation

SECTION 03 · CLOUD & INFRASTRUCTURE

Cloud & Infrastructure

Eight services across cloud audit, cost optimisation, architecture, modernisation and migration.

03

Cloud that works for your budget.

Eight services spanning audit, cost, architecture and migration — the full lifecycle of a cloud estate, run by one team.



Cloud Audit

We find what is costing you money or causing risk.



Cloud Cost Optimization

Stop paying for cloud you are not using.



DevOps & SRE

Deployments that do not break at 2am.



Infrastructure Architecture

Build it right the first time.



System Modernization

Move off that 15-year-old system safely.



Compliance Automation

Stop doing compliance by hand on a spreadsheet.



Email Migration

Move every mailbox. Zero downtime.



Vibe Code Cleaning

AI wrote it fast. We make it production-ready.

That feeling when something just works.



"We got hacked and we have no idea how."

Security you can actually rely on

We find the holes before attackers do, respond when incidents happen, and build the architecture that prevents the next one.

VAPT · Incident Response · API Security · IoT Security



"Our cloud bill went up 40% and nobody knows why."

Cloud that works for your budget

We audit what you are running, eliminate the waste, architect the right infrastructure and keep it running reliably.

Cost Optimization · Cloud Audit · DevOps SRE · Architecture



"Everyone is doing AI but we do not know where to start."

AI that actually earns its cost

We integrate AI into your workflow, deploy private LLMs that do not leak your data, and secure the AI systems you already use.

AI Integration · Sovereign AI · Agentic AI Security

Tools we built because we needed them.



Zscanner

Continuous vulnerability scanning that finds the holes first.



EWSAF

Endpoint & Windows security assessment framework.



Legac-o-Meter

Scores legacy codebases so modernization has a starting point.



Contract Pilot

Contract lifecycle management, simplified.



PromptShield

Guards AI prompts and LLM inputs from abuse.



Bithost CA

In-house certificate authority for internal trust.



WorkiMon

AI-driven endpoint monitoring for security threats.



UseRemote

AI-powered remote desktop access.



SecuriMon

Smart server monitoring with threat detection and alerting.

...plus Skillity and Veritas, expanding the Bithost toolkit.

From first conversation to steady state.

A four-stage engagement model. Every stage has a defined deliverable, so you always know what you are paying for.

01

Assess

We audit the current estate — infrastructure, code, security posture — and report what we find.

Deliverable: findings report

02

Design

We propose a target architecture and a sequenced roadmap costed against your budget.

Deliverable: roadmap & costing

03

Implement

We build and migrate in agreed phases, with rollback plans at every gate.

Deliverable: working systems

04

Operate

We monitor, patch and improve on a retainer, or hand over with full documentation.

Deliverable: SLA reporting

Where we have done this before.

Regulated and high-uptime sectors, where a security failure or an outage is not a minor inconvenience.

Banking & Financial Services

RBI and PCI-DSS driven security work, core-banking migrations and audit remediation.

[02] engagements

Healthcare

Patient-data protection, uptime for clinical systems and HIPAA-aligned controls.

[05] engagements

Manufacturing

OT/ICS segmentation, plant-floor monitoring and legacy control-system modernization.

[02] engagements

Public Sector

Sovereign hosting, CERT-In aligned assessments and data-residency compliance.

[01] engagements

SaaS & Technology

Cloud cost optimization, DevOps maturity and pre-funding security due diligence.

[10] engagements

Retail & E-commerce

Peak-season capacity planning, payment security and API hardening.

[06] engagements

Three ways to work with us.

Pick the commercial model that fits the problem. Most clients start with a project and move to a retainer.

Project

Fixed scope, fixed price

- Defined start and end date
- Milestone-based billing
- Best for audits, migrations and one-off builds

Typical term: [3–10] weeks

Retainer

Monthly capacity

- Agreed hours or ticket volume per month
- Named engineers assigned to your account
- Best for ongoing security and cloud operations

Typical term: [6] months

Managed Service

Outcome and SLA based

- We own the outcome, not the hours
- 24×7 monitoring with defined response times
- Best for teams without in-house capability

Typical term: [2] months

Practical fixes, not concepts.



Everything in-house, from India

No subcontracting, no outsourced black boxes — one accountable team end to end.



One team, not four vendors

Security, cloud, AI and software run through the same team, so nothing falls through the gaps.



We fix what is broken, not sell a concept

Every engagement is scoped to a real problem, with a result you can point to.



Built to actually be used

Software and tools designed for the people who have to use them daily, not just for a demo.



Expert guidance for sustainable innovation.

Our team provides the expertise and strategic insight needed to help your software solutions excel in a competitive landscape — tailored applications built for sustainable growth and long-term success.



Product Development



Technical Consulting



Software Market Analysis

Let's talk.

Protect. Optimize. Build — with a team that treats your problem as its own.



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