

BISHAL SAHU

INDEPENDENT TECHNOLOGY STRATEGY ADVISOR

Technology Transformation • Sovereign Cloud • Responsible AI

Bridging technology strategy and engineering execution

I help organisations make complex technology decisions, and turn those decisions into practical engineering outcomes.

With 22 years across software engineering, architecture, platform engineering and technology transformation, I advise organisations navigating technology transformation, sovereign cloud strategy and responsible AI adoption. I bring an architect's systems perspective together with an engineer's understanding of what it takes to make change work in practice.

THREE ADVISORY AREAS



1. Technology Transformation

Modernise technology, engineering practices and platforms to accelerate delivery, improve developer productivity and build scalable, future-ready organisations.

- Technology strategy & architecture
- Platform engineering & IDPs
- DevOps & delivery modernisation
- Legacy modernisation
- Tool rationalisation & roadmaps
- Engineering productivity



2. Sovereign Cloud Strategy

Design secure, compliant and resilient cloud strategies that protect data sovereignty, ensure operational control and strengthen digital independence.

- Sovereign cloud architecture
- Data residency & compliance
- Multi-cloud & hybrid strategy
- Resilience, portability & control
- Cloud governance & cost optimisation



3. Responsible AI Adoption

Move from AI experimentation to sustainable adoption with the right strategy, governance, architecture and tools for secure and effective AI-enabled engineering.

- AI adoption strategy & roadmap
- AI governance & risk management
- AI-assisted engineering
- LLM platforms & architecture
- Security, compliance & guardrails
- AI cost optimisation

SELECTED IMPACT



100+
TOOLS

100+ tools rationalised,
3-year modernisation
roadmap



14
ARTS
450+
ENGINEERS

Enterprise DevOps
reference
architecture for
support at scale



1300+
REPOSITORIES
2600+
PIPELINES

GitHub migration
architecture and
governance at large
scale



7
MONTHS
↓
< 1 HOUR

Modernised and
automated NuGet
package ingestion
and governance



~90%
REDUCTION

Automated Azure
DevOps SaaS
migration execution
effort



€200K+
SAVED
6,500 Hrs
SAVED

Critical requirement
gaps identified and
reduced effort

TECHNICAL DEPTH

Architecture & Systems

Enterprise Architecture · Platform Architecture · System Integration · Reference Architectures

Engineering & Platforms

Platform Engineering · DevOps · CI/CD · Internal Developer Platforms · Developer Experience

Cloud & Infrastructure

Public & Private Cloud · IaaS · IaC · Containerisation · Cloud Platforms · Sovereign Cloud Strategy

AI & Engineering Productivity

LLM Platforms · AI-Assisted Development · AI Governance · Developer Productivity · Engineering Automation

A JOURNEY ACROSS FOUR ERAS

Across every era, my role has remained consistent: helping organisations navigate uncertainty.



2008 →
MOBILE

Android · iOS ·
QML/Qt · Symbian

Built software and led
engineering teams through
the emergence of mobile
computing.



2012 →
DEVOPS

Source Control · CI/CD ·
Automation · Quality

Shifted from building
software to transforming how
software is built and
delivered.



2019 →
CLOUD & PLATFORM

Cloud · Platforms · IDPs ·
Developer Experience

Expanded into the
platforms and engineering
ecosystems that enable
organisations to scale.



2022 →
AI

AI Strategy · Governance ·
AI-Assisted Engineering

Applying accumulated
understanding of software,
architecture and engineering
systems to AI adoption.

SELECTED EXPERIENCE

INDEPENDENT TECHNOLOGY STRATEGY ADVISOR

Netherlands · Oct 2026 - Present

Helping organisations across Europe to modernise technology platforms, design Sovereign Cloud strategies, adopt Responsible AI and deliver measurable business outcomes.

ENTERPRISE ARCHITECT · PHILIPS

Netherlands · 2025 - 2026

Led enterprise architecture and engineering enablement initiatives across DevOps architecture, platform strategy, developer productivity, tooling rationalisation, software supply chain, migration, governance and AI-assisted software engineering.

- Influenced engineering lifecycle improvements across a 1,400-member organization through architecture leadership.
- Established software supply-chain practices across 2,000+ projects (NuGet, dependencies, security).
- Led architecture and governance for migration of GitHub across a system of 1,300+ repositories and 2,600+ pipelines.
- Drove initiatives to improve developer productivity, automation, security and AI-assisted engineering.

TECHNICAL LEAD | DEVOPS ARCHITECT · TOMTOM

Netherlands · 2022 - 2024

Technical leader for a modular Android Automotive platform focused on engineering scalability, delivery efficiency and platform modernisation.

- Delivered ~90K annual operational savings through infrastructure and platform optimisation.
- Modernised artifact and pipeline architecture, reducing deployment lead times.
- Introduced shift-left engineering practices; cut MTTR to 2 days
- Improved maintainability and developer experience through codebase and pipeline improvements.

SOFTWARE ARCHITECT | ENGINEERING LEADER · PHILIPS & PERSISTENT SYSTEMS

India · USA · Netherlands · 2004 - 2022

Progressed through software engineering, technical leadership, project leadership and architecture roles across mobile, healthcare and enterprise technology.

- Architected platforms including microservices-based WebRTC solution and mobile applications.
- Established engineering standards & quality practices. Led engineering teams & technical transformations across multiple domains.
- Fully automated the manual-deployment process, saving ~45 minutes per deployment (~3.5 hours daily).
- Optimised test deployment strategy which led to: DB size reduction by 82%, 2x sandboxes in 30% of the original space.



EDUCATION

Bachelor's Degree in
Computer Engineering

Goa University, India
2000 - 2004



CERTIFICATIONS

- Advanced Software
Design · 2017
- SAFe Agilist · 2015



AWARDS & RECOGNITION

- AI Hackathon Winner ·
Philips · 2025 & 2017
- A-band Employee ·
Persistent Systems
- Singapore Good Design
Mark · Led the app team



LANGUAGES

- English - Fluent
- Hindi - Fluent
- Dutch - Intermediate
- Konkani - Intermediate
- French - Beginner



LET'S
CONNECT



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www.bishalsahu.com



Based in Netherlands | Helping organisations across Europe