



ICHAM BERREGHIOUA

Senior Integration & API Architect

47 years old

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1004 Lausanne, Switzerland

French: Native

English: Professional working proficiency (B2)

Integration architect with 24+ years building platforms that scale.

Currently managing TCS's integration backbone.

I focus mainly on: creating standards and tools that make developers productive without giving ops nightmares.

Result? 40% fewer incidents, 60% faster delivery.

My secret: always start with the people & processes before jumping into the technologies & tools.

Full Version of Resume: <https://www.icham-berreghioua.fr/>

SKILLS

Technical Expertise:

- API Governance & Lifecycle Management (API Gateway patterns, versioning, deprecated state)
- Integration Patterns & Middleware (ESB, Message Queuing, Event-driven architecture)
- System Observability (ELK, distributed tracing, cross-environment monitoring)
- CI/CD Implementation (automated pipelines, IaC)
- Enterprise Security (OAuth 2.0, mTLS, AAA frameworks, GDPR & PCI DSS compliance)

Methodologies & Standards:

- API-First as design approach & DevOps as cultural mindset
- Agile/Scrum as project management methodologies & GitOps as operational framework
- ITIL / TSDANC for service management & OSI as systems communication model

Azure Cloud Architecture:

- Azure EntraID & AD B2C for consumer/resource owner identity in API integration
- Azure Landing Zones & Hub'n'Spoke infrastructure implementation
- Hybrid Integration: Azure/On-premises architecture with containerization
- Azure Services: App Services, Functions, APIM, Event Grid
- Azure Certification Path: Currently pursuing [AZ-104](#) as prerequisite for [AZ-305](#)

Key Innovation & Achievements: TCS API Factory a self-service integration product

- **60% faster** design-to-delivery through GitOps-driven deployment
- **40% reduction** in production issues via standardized security patterns
- Technical Product Owner of “Enterprise Integration Platform” + member of TCS Architecture Board
- Created TCS API Factory serving 340+ APIs for 1.5M users

EXPERIENCES

Enterprise Integration Platform (EIP) Security & Governance Technical Lead

Touring Club Suisse - Since June 2022 - Switzerland

Product Innovation:

Created **TCS API Factory** a self-service integration product enabling seamless project delivery.
The underlying EIP platform provides robust technical foundation and governance framework.

Technical Leadership:

Direct oversight of mission-critical EIP managed in close collaboration with 8 Subject Matter Experts & through a clear Backlog as the single source of work for our Scrum transversal team.

The platform **operates at scale**, supporting:

- 1,5 million members - 2.5 million insurance policies - 400,000 annual interventions
- 340+ exposed APIs - 100+ client applications

Architecture Excellence through EIP governance across three planes:

<u>Control Plane:</u>	Deployments, configurations, release lifecycle management
<u>Data Plane:</u>	API traffic routing and message processing
<u>Management Plane:</u>	Monitoring, observability & performance analytics

Security-by-design through comprehensive Authentication, Authorization & Audit to enforce platform access controls

Data Modeling through Business Object Model (BOM) implementation support and its corresponding Exchange Object Models (EOM) for JSON API transformation.

IT Solutions Architect

Touring Club Suisse - January 2020 to May 2022 - Full-time - Geneva - Switzerland

Architecture & Integration:

- Led design, build & deployment of 30 communication interfaces for our new insurance policy center solution,
- Developed an API-First integration framework structured in three areas:
 - Enterprise Core Systems (long release cycles, complex testing)
 - API Integration Layer (standardized systems exchanges)
 - Agile Applications Ecosystem (rapid release cycles)
- Integrated modern security protocols (OidC, OAuth 2.0, mTLS) throughout API ecosystem,
- Established environment-specific compliance validation processes

Standardization & Documentation:

- Created System Process diagram templates for end-to-end interactions
- Transformed manual practices into formal configuration standards
- Enhanced cross-team collaboration through accessible technical documentation

Senior Network & Security Engineer

Touring Club Suisse - April 2011 to December 2019 - Full-time - Genève - Switzerland

- Supported selection & implemented platform technologies, establishing foundation for our New EIP
- Designed and deployed it as a three-tier platform with strict separation of concerns:
 - API Gateways for secure access management
 - Enterprise Service Bus for orchestration
 - Message Queues for reliable message delivery
- Redesigned and deployed Internet Edge infrastructure for multi-environment SaaS integration
- Designed HA/DR architecture with automated failover across all environments
- Implemented PCI DSS compliant network architecture for secure integrations

Network & Security Engineer

Touring Club Suisse - March 2008 to March 2011 - Full-time - Geneva - Switzerland

- Zero-downtime "onPrem" Data Center migrations
- Implemented Disaster Recovery architecture

Previous Experience

British Telecom, Orange Business Services & other IT services company

July 1998 to February 2008

Core Expertise: Network & Security engineering, ITIL incident management, infrastructure deployment, technical documentation standardization, and cross-team coordination across distributed systems.

EDUCATION

DUT Génie des Télécommunications & Réseaux

INSTITUT UNIVERSITAIRE DE TECHNOLOGIE DE BÉTHUNE

September 1996 to July 1998

Two-year University Diploma (DUT) in Telecommunications and Network Engineering