

BRUNO DELNOZ

Senior IT Infrastructure Solution Architect | Hybrid Cloud Transformation Expert

Security & Governance Specialist

30+ Years Infrastructure Excellence | 40+ Enterprise Transformations | 98% Success Rate

 2nd Place ING Worldwide Hackathon (300 Teams) | Azure DevOps Innovation Champion

 **AVAILABLE IMMEDIATELY FOR LONG-TERM ENGAGEMENT** 

 Rochefort, Namur – Belgium | Hybrid Working Model

 Main (GSM + Signal): +32 456 88 24 57

 Secondary (WhatsApp ONLY): +32 475 38 11 44

 bruno.delnoz@protonmail.com

 GitHub: github.com/bdelnoz | Portfolio: <https://bdelnoz.github.io/>

 LinkedIn: linkedin.com/in/bdelnoz

EXECUTIVE SUMMARY

Senior IT Infrastructure Solution Architect with 30+ years progressive experience designing and governing large-scale hybrid infrastructure transformations across banking, government, and enterprise sectors. Proven expertise in architecting resilient, secure on-premise and cloud solutions while establishing governance frameworks, technical standards, and modernization roadmaps.

Recently led critical hybrid cloud migration at ING Belgium (6 years, Grade Service Chief Level 4), architecting seamless integration between legacy on-premise systems and Azure cloud infrastructure. Successfully migrated 150+ integration partners with zero business disruption while implementing enterprise-grade monitoring, security, and high-availability architectures.

Demonstrated ability to work closely with enterprise architects, delivery teams, and stakeholders to shape technical direction, influence standards, and drive modernization initiatives. Exceptional track record: 40+ successful infrastructure transformations across Belgium, Luxembourg, France, Netherlands, Switzerland, and Morocco with 98% success rate.

"Bruno possesses exceptional technical expertise combined with outstanding problem-solving capabilities. He is a true solution finder who quickly grasps complex requirements and implements high-quality, scalable solutions that exceed expectations." — Yves Hayot, Technical Director at Speos

CORE ARCHITECTURAL COMPETENCIES

Infrastructure Architecture & Hybrid Cloud Transformation (30+ Years)

Hybrid Cloud Architecture

- Designed and implemented enterprise hybrid cloud architecture at ING Belgium connecting on-premise infrastructure with Azure cloud services
- ExpressRoute circuit implementation for high-bandwidth, low-latency connectivity
- Seamless integration of 150+ file transfer partners during cloud migration with zero business disruption
- Active-active clustering across geographic locations (Brussels/Antwerp) with automatic failover (RPO <1 min, RTO <5 min)
- Azure infrastructure: VNet design, NSG, ASG, Azure Firewall, VPN Gateway, Load Balancer, Application Gateway

On-Premise Infrastructure Excellence

- 30+ years Linux infrastructure expertise (Debian/Ubuntu, RHEL/CentOS)
- Enterprise-grade high-availability: 18 months zero unplanned downtime at ING Belgium
- Geographic redundancy design across multiple datacenters
- Storage architecture: SAN/NAS, LVM, RAID, backup/disaster recovery
- Network infrastructure: TCP/IP, routing, switching, firewall architectures
- System performance tuning and capacity planning

Resilience & High Availability Design

- Active-active clustering architectures for mission-critical banking systems
- Automated failover mechanisms with minimal RPO/RTO
- Redundant network paths and diverse connectivity options
- Health monitoring and automated recovery procedures
- Business continuity design for regulated industries

Security Architecture & Compliance (20+ Years)

Enterprise Security Design

- 226+ penetration testing projects (OWASP, PTES methodologies)
- Zero-trust architecture principles and defense-in-depth strategies
- Secure network segmentation, encryption (TLS 1.2/1.3, mutual TLS, LUKS, Azure Key Vault)
- Identity and Access Management (OAuth 2.0, SAML 2.0, JWT, SSO, MFA)

Regulatory Compliance

- PCI-DSS compliance (6+ years banking): passed audits with zero critical findings
- PSD2 implementation: SCA, eIDAS certificate validation, TPP gateway
- GDPR awareness and data protection principles
- Security policy development and enforcement

DevOps & Automation Architecture (8+ Years)

CI/CD Pipeline Design & Innovation

• 🏆 2nd Place ING Worldwide Azure DevOps Hackathon (300 teams globally)

- Revolutionary CI/CD pipeline reducing deployment time from 4 hours to 20 minutes (92% reduction)
- Azure DevOps: YAML-based automation, multi-stage pipelines, artifact management
- Automated testing, parallel execution, intelligent caching, automated rollback
- Solution adopted by 3 other ING teams, saving 1000+ annual hours organization-wide

Enterprise Monitoring & Observability

- Built complete observability stack at ING Belgium:
 - Prometheus: 1000+ custom metrics
 - Grafana: 25+ dashboards with alerting
 - Elastic Stack/ELK: 500GB+ daily log ingestion
- Reduced MTTD from 45 minutes to 3 minutes (93% improvement)
- Automated alerting (PagerDuty, email, Slack) reduced incident response time by 70%

Integration Architecture & API Management (18+ Years)

- API Gateway clustering and HA (10,000+ TPS achieved)
- RESTful API design (OpenAPI/Swagger), SOAP/WSDL integration
- Secure file transfer (MFT) architecture: 500+ partner configurations
- Performance optimization: reduced API response times by 35% (620ms to 290ms)
- Protocol translation and data transformation (XML, JSON, EDI)

Governance, Standards & Team Leadership

Architecture Governance

- Established technical standards and design patterns for enterprise infrastructure
- Architecture review boards, technology evaluation, vendor assessment
- Created 200+ pages technical documentation (architecture, procedures, troubleshooting)

Team Collaboration & Influence

- Close collaboration with enterprise architects on strategic initiatives
 - Mentored 4 engineers to full autonomy (40% certification rate increase)
 - Knowledge transfer: 200+ training hours delivered, 100+ professionals trained
 - Stakeholder management: C-level, project managers, technical teams
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PROFESSIONAL EXPERIENCE

ING BELGIUM | Service Chief Level 4 - Infrastructure & Middleware Specialist

September 2019 - September 2025 (6 years 1 month)

Brussels, Belgium • Hybrid Working Model

Hybrid Cloud Infrastructure Transformation

- Led enterprise-scale MFT infrastructure migration from on-premise to Azure hybrid architecture
- Designed resilient hybrid solution integrating legacy systems with Azure cloud services
- Implemented ExpressRoute for dedicated high-bandwidth connectivity
- Architected seamless integration maintaining 150+ file transfer partners during migration
- Zero business disruption throughout transformation
- Technologies: Azure VMs, VNet, ExpressRoute, NSG, Azure Firewall, Key Vault, Storage Accounts

High Availability & Resilience Architecture

- Designed and implemented active-active clustering architecture for mission-critical banking gateway (Axway XFB Gateway)
- Geographic redundancy across 2 datacenters (Brussels/Antwerp)
- Automated failover: RPO <1 min, RTO <5 min
- Achieved 18 months continuous zero unplanned downtime
- 200+ backend system integrations with guaranteed availability

Enterprise Monitoring & Observability Platform

- Architected complete observability infrastructure:
 - Prometheus: 1000+ custom metrics for middleware and infrastructure
 - Grafana: 25+ dashboards covering business KPIs and technical metrics with alerting
 - Elasticsearch: 500GB+ daily log ingestion for centralized logging
 - Kibana: complex query capabilities and visualization
- Reduced MTBD from 45 minutes to 3 minutes (93% improvement)
- Automated alerting via PagerDuty, email, and Slack
- Incident response time reduced by 70% through proactive monitoring

Technical Leadership & Governance

- Mentored 4 junior middleware engineers to full operational autonomy
- Created comprehensive technical documentation (200+ pages): architecture diagrams, procedures, troubleshooting guides
- Established coding standards and review processes
- Bi-weekly knowledge sharing sessions (2h) on architecture, security, and best practices
- Team certification rate increased 40% (Axway, Azure, Prometheus certifications)

Azure DevOps CI/CD Innovation - 2nd Place ING Worldwide Hackathon

- 2nd Place Winner - ING Worldwide Azure DevOps Hackathon (300 teams globally)
- Revolutionary pipeline design reducing deployment time from 4 hours to 20 minutes (92% reduction)
- Implemented automated testing, parallel execution, intelligent caching
- Conditional deployments and automated rollback on failure
- Solution adopted by 3 other ING teams, saving 1000+ annual hours organization-wide

BNP PARIBAS FORTIS | Senior Infrastructure & Integration Consultant

March 2017 - November 2018 (20 months)

Brussels, Belgium • 2nd Largest Bank in Belgium

Complete Infrastructure & Integration Suite Implementation

- Designed and deployed production-grade API Gateway cluster (4 nodes) with high availability
- Implemented API Manager platform supporting 150+ registered developers
- Architected integration layer connecting 200+ backend systems
- Achieved 99.7% availability SLA
- Technologies: Axway API Gateway, API Manager, Gateway XFB, monitoring stack

PSD2 Compliance & Security Architecture

- Built dedicated PSD2 gateway for Third Party Provider (TPP) access
- Implemented OAuth 2.0, Strong Customer Authentication (SCA), eIDAS certificate validation
- Real-time fraud detection integration
- Passed regulatory compliance audit with zero critical findings

API Architecture & Performance Optimization

- Developed 60+ REST APIs exposing banking services
- Created 200+ custom security and transformation policies
- Implemented REST→SOAP conversion layer for legacy integration
- Performance optimization: reduced average API response time by 35% (from 620ms to 290ms)

Knowledge Transfer & Documentation

- Delivered 40 hours comprehensive training to BNP Paribas staff
- Created 150+ pages technical documentation
- Client satisfaction rating: 4.8/5.0
- Successful handover with full operational autonomy achieved

AXWAY SOFTWARE BELGIUM | Senior Infrastructure & Integration Consultant

June 2007 - March 2018 (11 years 11 months)

Belgium, Luxembourg, France, Netherlands, Switzerland, Morocco

40+ Enterprise Infrastructure Projects

- 98% project success rate across banking, insurance, government, telecommunications sectors
- Geographic reach: Belgium, Luxembourg, France, Netherlands, Switzerland, Morocco
- Industries: Banking (ING, Luxembourg banks, Moroccan banks), Insurance (Baloise, Foyer), Government (French Ministry of Finance), Telecommunications, Retail (Delhaize), Automotive (Toyota, Bridgestone)

Axway Certified Trainer (One of ~50 Worldwide)

- API Gateway Trainer Certification (2016) - Authorized global training delivery
- Transfer CFT Trainer Certification (2007) - Complete product suite expertise
- XFB Gateway Advanced Trainer (2007) - Banking protocols (EBICS, SWIFT)
- Delivered 200+ training hours to 100+ professionals, average rating 4.7/5.0

Major Client Engagements - Infrastructure Transformations

- ATOS Worldline: Global MFT architecture spanning 15+ countries, 1M+ daily transfers
- French Ministry of Finance AIFE (Macron administration): 15K users, ANSSI security certification
- ING Belgium: Multiple missions totaling 3 years (before permanent role)
- Luxembourg Banking Sector: 5+ banks, 4 years cumulative engagement

TECHNICAL SKILLS SUMMARY

Infrastructure & Cloud

- **Hybrid Cloud Architecture (On-premise + Azure)**

- High Availability & Disaster Recovery
- Network Architecture (VNet, NSG, ExpressRoute, VPN, Firewall)
- Linux Systems (30+ years: Debian/Ubuntu, RHEL/CentOS)
- Storage Architecture (SAN/NAS, LVM, RAID)
- Virtualization (Azure VMs, VM Scale Sets)

Security & Compliance

- Zero-Trust Architecture, Defense-in-Depth
- Identity & Access Management (OAuth 2.0, SAML 2.0, JWT, SSO, MFA)
- Network Security (Firewalls, IDS/IPS, VPN)
- Encryption (TLS, mutual TLS, LUKS, Azure Key Vault)
- Penetration Testing (226+ projects, OWASP, PTES)
- Compliance (PCI-DSS, PSD2, GDPR awareness)

DevOps & Automation

- **CI/CD Pipelines (Azure DevOps, YAML)**

- Infrastructure as Code (IaC)
- Monitoring & Observability (Prometheus, Grafana, ELK Stack)
- Automated Deployment & Configuration Management
- Scripting & Automation (Bash - Expert 25+ years, Python - Advanced 10+ years)

Integration & APIs

- API Gateway Architecture (clustering, HA, 10,000+ TPS)
- REST API Design (OpenAPI/Swagger), SOAP/WSDL
- Secure File Transfer (MFT): 500+ partner configurations
- Message Queuing & Event-Driven Architecture
- Protocol Translation & Data Transformation (XML, JSON, EDI)

Programming & Tools

- Bash (Expert - 109+ production scripts), Python 3 (Advanced - 37+ projects)
 - Azure Cloud Platform, Axway Suite (API Gateway, Transfer CFT, XFB Gateway)
 - Prometheus, Grafana, Elasticsearch, Kibana
 - Git, Azure DevOps, Docker (basics)
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CERTIFICATIONS & PROFESSIONAL VALIDATION

Axway Certifications (Rare Global Achievement - One of ~50 Worldwide)

- Axway API Gateway Trainer Certification (2016)
- Axway XFB Gateway Advanced Trainer (2007) - Banking protocols (EBICS, SWIFT)
- Axway Transfer CFT Trainer (2007)

Cloud & Security Training (2023-2024)

- CCSP Preparation Series (6 courses completed): Cloud Concepts, Architecture & Design / Cloud Data Security / Cloud Platform & Infrastructure Security / Cloud Application Security / Cloud Security Operations / Legal, Risk & Compliance

LinkedIn Endorsements

- 19 endorsements: Integration | 18 endorsements: Security | 16 endorsements: Cloud | 13 endorsements: Unix/Linux

Client Recommendations (12 total)

"Bruno possesses expert product knowledge and provides technical assurance in high-pressure situations with guaranteed quality delivery." — Jean-Philippe Maya, Senior Architect

LANGUAGES & AVAILABILITY

Languages

- French: Native | English: Professional C1 written, B2 spoken | Dutch: Intermediate | Spanish: Basic

Location & Availability

- Based in Rochefort, Namur, Walloon Region, Belgium
 - Fully equipped home office with excellent connectivity
 - Experienced with hybrid working model (6 years at ING Belgium)
 - Immediate availability: No notice period required
 - Ideal for long-term rolling freelance contract
 - Flexible for hybrid working arrangements (remote/on-site mix)
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WHY CHOOSE BRUNO FOR INFRASTRUCTURE SOLUTION ARCHITECT ROLE

✓ Proven Hybrid Cloud Transformation: 6 years leading hybrid migration at ING Belgium, zero business disruption, 150+ partners migrated

- Architectural Ownership & Depth: 30+ years infrastructure experience, resilient architectures for banking and government
- High Availability Excellence: 18 months zero unplanned downtime on mission-critical systems
- Governance & Standards: 200+ pages documentation, established frameworks, mentored teams
- Security & Compliance: 20+ years security architecture, PCI-DSS/PSD2 compliance, 226+ pentests

✓ Innovation & Automation: 🏆 2nd Place ING Worldwide Hackathon (300 teams), 92% deployment time reduction

- Long-term Engagement Success: 6-year ING Belgium tenure, 11-year Axway tenure, 98% project success rate
- Complex Environment Expertise: 200+ backend systems integrated, hybrid on-prem/cloud, regulated industries
- Measurable Impact: MTTD 93% reduction, 70% incident response improvement, 35% API performance gain
- Walloon Region Local: Based in Rochefort, Namur - ideal for hybrid working in Walloon Region

Ready to contribute immediately with proven architectural ownership, governance capabilities, and tangible impact in complex hybrid infrastructure environments.

References available upon request.

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Target: Senior IT Infrastructure Solution Architect - Walloon Region, Belgium

Contact: bruno.delnoz@protonmail.com | +32 456 88 24 57