

IT ARCHITECT CONSULTANT

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Summary

Principal lead IT Architect

Experienced IT Architect with 20 years of expertise in designing and implementing enterprise-wide IT architecture solutions that improve system performance, reduce downtime, and align with business goals. Proven track record in mentoring and providing technical guidance, resulting in improved team productivity and efficiency. Skilled in researching and evaluating new technologies and tools to drive innovation and improve system reliability. Extensive qualifications in all facets of project life cycle, from the initial feasibility analysis and conceptual design through documentation, implementation, tech user training and enhancement. Strong system server, storage and networking background with ability to build and manage creative, highly energized, focused teams.

Cloud Architect

Expert in design and delivery cost-effective, high performance cloud technology,infrastructures and applications to adress complex problems by assessing current capabilities and designing future technology architectures to achieve strategic technology plans that align with businesses strategic initiatives within the field of IaaS, CaaS, PaaS and SaaS

Security Architect

Deep security architecture and engineering expertise in various environment included Cloud On-off prems
Design architecture solutions for WAF, WAAP, NGFW , encryption key management life cycle, SOC. Tooling ..

Enterprise Architect

Assessment and design technical strategy, blueprint to manage IT portfolio roadmap and program at all levels : fonctionnal, applicative and technical. Workshops management (technical included) for business process reengineering (BPR /BPM) within an enterprise digital transformation process with Strong knowledg to build up digital strategy at and with C-levels.

Education

- Advanced Master's degree in Forensics and Cybersecurity – Université Technologique de Troyes – UTT – France - 2022
- MBA Temple University-Fox School of Business – USA 2012
- MBA École des Ponts et Chaussées – France 2013
- Advanced Master's degree – Telecom SudParis – France -2009
- Engineer's degree – Silicon Pro Ghana- 2000

Skills & competencies

Expertise in the fields of digital goes from digital strategy transformation to digital integration.

- Enterprise IT Architecture
- System Performance Optimization
- IT Project Management
- Stakeholder Collaboration
- Technical Leadership and Mentoring
- IT Architecture Standards and Best Practices
- System Scalability and Maintenance
- IT Security and Risk Management
- Technology Evaluation and Adoption
- Cloud-based Infrastructure
- IT Architecture Roadmap Development
- Business Goal Alignment
- Team Efficiency and Productivity Improvement
- System Reliability and Downtime Reduction
- Cybersecurity

Courses / Certifications

- TOGAF Trained – Arismore & RATP
- PMP Trained -Capgemini Engineering
- IBM cloud trained – BNP Paribas
- Secnum Cloud trained – ANSSI
- AWS solutions Architect - trained
- Wallix bastion & access manager trained – Wallix
- Ubika trained – Ubika
- eTOM trained
- Microsoft Certified System Engineer – MCSE
- Routing & Switching– CCNP - Capgemini Engineering
- A+ Certified
- ITIL certified - Capgemini Engineering
- Installation et configuration de pare-feu Internet/intranet -Learning Tree
- Kubernetes trained
- Docker trained
- Openstack trained
- Kali linux
- DevOps and Continuous intégration deployment (CI/CD)
- English and French : fluent

Language

Other position

- Chief Technical Officer, Chief Information Officer
- Program Manager
- Audit consultant
- IT strategy consultant
- Service delivery manager

Work experience

1- Lead Architect consultant – Cloud

BNP Paribas – IT Group – Cash Management – IT Payment System-Paris

04/ 2022- present

- Designing cloud target for entities integration – group level
- In charge of cloud IT architecture validation committee
- Developing cloud performance – IaaS, CaaS and PaaS
- Following the tooling's roadmap

Technical environment

IBM cloud dMZR, clustering, kubernetes, Autosys, Dynatrace, Cloud object storage, MonitorNg, Microservices, kafka, Openshift, hashicorp vault, Mongo DB, Swift gateway, MQ, DevOps CI/CD

2- Lead Architect consultant – Security and Cloud

Ministère de l'Europe et des Affaires Etrangères – AEFE -Paris

/ Nantes, France 08/2022 – present

- Assets migration to Secum framework (ANSSI) cloud
- Designed from scratch the all environnement -network, system and security
- Technical Roll up management

Technical environment

3DS Outscale (Dassault system), Ubika, Wallix, AWS CLI, ansible , terraform, DevOps CD, Stormshield, IAM

3- Program Manager – IT Architect consultant

Confidentiel defense – Africa/ UK, France and Belgium – 12/2019 to 12/2021

- Data center roll up : from inception to integration
- Networking, cloud, telecom, security, Data management system
- Designed pattern architecture, Implementation, Optimization, Configuration and Troubleshooting
- Managed the implementation of a disaster recovery plan,
- Developed and maintained network security policies
- Recommended and implemented new technologies, products, and services,

Technical environment

Openstack, cisco switching , VLAN, VRF, checkpoint, GED, postgresQL, IaaS, Windows active directroy, VSAT, RHEL, Nexus 7K, MELLANOX , EDGECORE, Cisco ASA, Supermicro, virtualisation

4- IT Architect consultant – PM data center

Régie Autonome des Transports Parisiens (RATP) métro -Paris, France 01/2019 to 12/2019

- Designed technical architecture for application migration assets
- Following the IT plan and pattern architecture
- Togaf framework
- Workshop management
- Data center project management : assests migration from site to site

IT Architect -PM data center

Technical environment Vmware, SOA, Nexus 9k, spine & leaf architecture,

5- IT Architect consultant - PM

Agence congolaise pour la création d'entreprise (ACPCE) – AFDB – Brazzaville and Pointe Noire, Congo

07/2018 -01/2019

- Designed and configuration of a IaaS for two data centers (Brazzaville & Pointe Noire)
- Designed and configuration securities assets : WAF and Firewall
- Workshop management for networking and telecom enhancement
- Extensive experience testing, designing, implementing and administration

Technical environment IaaS, Proxmox, Openstack, Supermicro server, Edgecore AS4600 baremetal, Linux cumulus, storage Outpace A224, Fortinet F81E, DenyAll (WAF), Active directory

6- IT Architect- Presales and development strategy consultant

Sonatel Business Services – Orange – Dakar, Sénégal / 02/2018 to 07/2018

- Technical presales for corporate customers (+40) within west african countries
- B2B development acquisition strategy
- Designed all solutions offers (security and cloud)
- In-house Customer architecture review
- Proof of Concept : design and integration

Technical environment Active directory, RG backup (SaaS), Valorix, Websphere, Apache, vSphere ESX6.0, vcloud director, NSX, citrix, MS Hyper-V, SAN Net app FS 3550, HPE simplivity, HP C7000, Fortigate UTM, Juniper SRX, MS exchange, Oracle, MS SQL, SCCM, SCOM, ZABBIX

7- IT Architect consultant

CCAS- EDF – Paris, France / 11/2014 to 04/2018

- Designed and implemented a MPLS and VPN solutions , enabling secure remote access for employees and contractors
- Collaborated with stakeholders to develop and implement a network infrastructure upgrade plan,
- Troubleshoot and resolved complex network issues, resulting in a 50% reduction in support tickets and a 20% improvement in customer satisfaction scores.
- Leading architect for business process applications (finance, DMS, ESB) in SaaS or on-prems for A2A or B2B
- Workshop management for Hyper-V integration
- Change Advisory Board –(CAB)Manager

Technical environment W2k16, RHEL, Software AG Webmethod, EREBUS, Kyriba(SaaS), Itesoft Share, Freemind, BigIron, F5 LTM, Checkpoint UTM, VTOM, Talend, B-process, Axway CFT, McAfee ePO, UCOPIA, Oracle, MSExchange

**8- IT Architect
consultant- security**

Sonatel Business Services – Orange – Dakar, Sénégal / 05/2014 to 10/2014

- Business process delivery analysis
- Security benchmarking to develop solution portfolio
- cybersecurity Market analysis – national and regional
- volume based x qualitative based approach
- scoring : solutions pros & cons for senegal market
- swot analysis and market share
- gap reduction existing vs target
- Building a business model to sell cybersecurity solution
- technical bench , PoC and workshop
- Designed valuable technical solutions

Technical environment

- Authentification as à services : SafeNet/Gemalto, FreeRadius (SaaS)
- Nomad access (VPN SSL et IPsec) : Pulse Secure (Juniper MAG Series), Cisco (ASA series), Forticlient (Fortinet)
- Web secured gateway : UTM fortinet + splunk, UTM F5 + Big IP APM, Utopia
- Solution anti DDoS : A10 Networks (Thunder TPS), Fortinet (FortiDDoS), Barracuda WAF
- Wifi secure : PFSense + Serveur Radius + Squid, Solutions UCOPIA

**9- IT Architect -
consultant embedded
system and network**

Société nationale des chemins de fer (SNCF) – Paris, France and Bergamo Italy, 03/2012 to 04/2014

SIVE (système information voyageur embarqué)

- developing prototype for system embedded into train
- building solution into supplier factory
- building the run
- writing all technical documentation (network, system and security)
- training and hand-over
- Troubleshooting L3

Technical environment

- OS : MS windows XP Embedded, Linux
- Applications : JUPITER, AESYS
- Serveur web : apache
- JRE, Tomcat, webservices
- Infrastructure : cisco
- Base de données : MS SQL 2005
- Serveur FTP : Filezilla
- Sécurité, authentification : RADIUS

10- Project Manager ToIP

Orange Business Services, Paris, France 08/2011 to 10/ 2012

STELLA project for Credit du Nord bank (Societe générale group)

- Roll up ToIP solution for +1000 bank agencies
- Technical SPOC
- Develop and implement operational strategies and processes to improve efficiency and effectiveness delivery
- Establish and maintain operational policies and procedures
- Monitor and analyze operational performance to identify areas of improvement
- Oversee the daily operations of the organization
- Manage and motivate staff to ensure high performance and productivity
- Develop and manage budgets and financial plans
- Monitor and review performance of staff and take corrective action when necessary
- Coordinate with other departments to ensure efficient platform delivery
- Monitor customer feedback and take appropriate action

Technical environment

- System Windows, IP, ToIP, vmware, AD, SSO, LDAP, , antivirus, intégration Exchange,
- Unified communication Cisco (CUCM 7.X, Unity Connection, SRST, VGxxx, UCCX)

11- IT Architect – Network & Telecom

Régie Autonome des Transports Parisiens (RATP) métro -Paris, France
02/2010 to 08/2011

- Telecom studies for Telecom plan
- Project assistance
- Technical Feasibilities studies
- Architecture Workshop
- Integration strategy

12- IT Architect- Manager group

BGFIBank group, Libreville, Gabon 12/2005 to 10/2008

Audit, ingénierie et amélioration des SI en vue de la certification ISO 17799 (sécurité)

Maintenir en condition opérationnel les DSI du groupe à 99 % (France, Gabon, Congo et Guinée)

- Garantir l'évolution des technologies
- Gestion des contrats et révision des procédures
- Responsable du pool administrateurs (système, SGBD et réseaux)
- Gestion de projet MOE : SWIFT, sécurité et migration de domaine
- En charge de 9 administrateurs (filiales comprises)

Technical environment

- Réseaux (IP, radio, VSAT, xDSL), systèmes (Windows et AIX), sécurité intranet et internet, messagerie Domino, Fortinet, ISA server checkpoint, Cisco, Motorola canopy Citrix metaframe XP

Building from scratch the core IT infrastructure**Missions**

- Ingénierie système et réseau
- Audit système et réseaux
- Projet Blueprint upgrade :
- Conception des architectures, installation et configuration du réseau LAN, WLAN et WAN
- Installation des boitiers parefeux intranet / extranet Symantec SGS 5420 et 5310
- Configuration des DMZ et des règles de routage d'accès.
- Configuration de VLAN (cisco), des Acces Point (1120) Cisco aironet
- Configuration de Bluesocket WG 1100 (wireless gateway)
- Installation et configuration des serveurs HP DL 380 et ML 350
- Configuration de la messagerie (en FE/BE) exchange 2003
- Configuration de la foret/domaine windows création des utilisateurs
- Configuration d'une plateforme de supervision : Foglight et spotlight (Quest)
- Extension du LAN vers les sites distants via les multiplexeurs CXR jacob & andersen
- Configuration des routes statiques et calibrage des équipements de transmission.
- Rédaction des documents techniques (architecture, mode opératoire, spécifications)

Technical environment

Réseau, système (Windows server 2000/2003 ; sécurité (symantec SGS, transmission (CXR), câblage, application (Citrix metaframe XP

Ability to undertake position assignment

Master's or bachelor's degree in business, computer science, computer engineering, electrical engineering, system analysis or a related field of study, or equivalent experience

I have an executive Master of business admistration from two businesses school. I took this course during 21 months studies trip included and core courses like *Enterprise Financial Management, Financial Information Reporting and Analysis, Global Enterprise Management, Marketing Management in the Enterprise, and Strategy Formulation and Administration.*

<https://www.fox.temple.edu/academics/graduate-programs/mba/executive-mba>

I have 2 technicals advanced degree

- Network and services (<https://www.telecom-sudparis.eu/formation/mastere-specialise-reseaux-services/>)
- Forensic & cybersecurity
<https://www.utt.fr/formations/mastere-specialise/expert-en-cybersecurite#programme>

Eight or more years of business experience in strategic and operations planning and/or business analysis or experience as an enterprise architecture consultant.

I have more than 20 years of experience :

- 10 years in business experience in strategic and ops acquired from my MBA training since 2011
- 10 years in Business analyst in various field (transport, defense, public administration, bank, telco and mobile operators
- 15 years as enterprise architecture consultant it's started when i was working with Bgfibank during the ISO 17799 (now split into 27001 and 27002)

Eight or more years of experience in at least three disciplines, such as business, information, solution or technical architecture, application development, middleware, information analysis, database management or operations in a multitier environment

- Business : with Bgfibank as IT manager, Orange business services as PM in 2011, EDF as IT architect , Min Europe (MEAE). since 2022, BNP since 2022, Sonatel Orange in 2018,.
- Information solution : with ACPCE and AFDB , Sonatel
- Technical architecture : all work experience
- Application dev : SNCF, Sonatel, Min Europe affaire etrangeres, BNP
- Middleware : BNP, MEAE
- Information analysis db : BNP
- Ops in a multitier environment : BNP, ACPCE

Exposure to multiple, diverse technologies, platforms, and processing environments with preferably a good knowledge and/or experience of SAP 4/Hana and Microsoft technologies

Exposure to multiple diverse tech. : all work experience as IT architect

- networking,
- system (Microsoft included)
- application,
- middleware,
- security

Knowledge of business ecosystems, SaaS, infrastructure as a service (IaaS), platform as a service (PaaS), SOA, APIs, open data, microservices, event-driven IT and predictive analytics

Full cloud ecosystem : IaaS, CaaS, "PaaS and SaaS : all work experience as IT architect -cloud

- SOA & API experience : from 2011 to present
- Microservices : Akka tech with BNP instant payment ecosystem as IT architect, MEAE
- Event-driven IT : Kafka , MQ with BNP instant payment as architect

Understanding of business models, operating models, financial models, cost-benefit analysis, budgeting, and risk management.

- Since 2011 during my MBA studies

Familiarity with enterprise architecture tools, related graphical models, and frameworks.

- Since 2009 during my advanced master's degree at Telecom sudparis

Insight into information management practices, system development life cycle management, IT services management, agile and lean methodologies, infrastructure and operations, and EA and ITIL frameworks.

- Since 2009 during my advanced master's degree at Telecom sudparis
- Since my PMP training and my ITIL training (certified)

Understanding of various operating models such as project-centric and product-centric and also different types of agile principles, methodologies and frameworks, especially those designed to be scaled at the enterprise level.

Since 2003 , starting with Airtel experience till now as international consultant

Awareness of existing, new and emerging technologies, and processing environments

Since 2003, starting with Airtel experience to present as international consultant

Effective leadership skills with exceptional soft and interpersonal skills, including teamwork, facilitation and negotiation.

Since 2003, starting with Airtel experience to present as international consultant

Strong consulting skills such as targeted communications, engagement management, stakeholder management and business development.

- Since 2009 during my advanced master's degree at Telecom sudparis
- Since my PMP training and my ITIL training (certified)

▪ Mastery of all components of enterprise architecture, business & IT principles and processes.