Jocelyn Fontaine

AWS Solutions Architect / Cloud Architect

> **AWS Certified Solutions Architect – Associate (expired)**

> **Cloud**

> **Infrastructure**

> **Security**

> **TOGAF Foundation + Certified 9.1**

★ A Curious Mind is A healthy Mind ★
✔ I love every second of my Job !
I can learn, discover a lot of things every day.
Continually, I like to take up challenges...

✔ Having working across in different industries, business domains, technical environments contribute to give me a wide understanding of your expectations whatever the requirements.

✔ I will be very happy and grateful to have the chance to help you, and I could bring my experiences and skills, and also my energy in order to work together for solving your challenges !

48 years old
Driving License
📍 Gaillac-Toulza (31550) France

📱 0611802833
✉ jocelyn.fontaine@galiceau.fr

EXPERIENCES

AWS Solution Architect

SMEG - Since February 2023 - Freelancer - Monaco - Monaco

‣ **Help and support Infrastructure team to build and improve its AWS platform**
‣ Design and Implement Landing Zone of SMEG : AWS IAM, AWS VPN, AWS Transit Gateway, AWS Config Rules, Security
‣ Design EKS/RDS Pattern for hosting SMEG Applications
‣ Design and implement the VDI solution for the DevOps based on AWS Workspaces
‣ Design and Implement a strategy to secure all Public Endpoints : AWS WAF, Cloudfront, WEB ACL, ALB, API Gateway,
‣ Design and Implement Private Certifcation Authorithy (AWS PCA) and Private Hosting Zone
‣ Design and Implement Architecture for a Resiliant and Scalable Gitlab on AWS
‣ Help adopting IaC for all deployment on AWS : Terraform, Gitlab
‣ Design and Implement a backup/restore strategy for all resources
‣ **Technical Environment:** AWS, Transit Gateway, VPC, IAM, EKS, EC2, RDS, VPC, S3, AWS Backup, Kubernetes, Workspaces, Terraform,

AWS Solution Architect

Monaco Government - May 2022 to February 2024 - Freelancer - Monaco - Monaco

‣ **Define, Design, implement and deploy a Data Platform for Monaco Government**
‣ Design and Implement the Landing Zone of the Data Platform : Identity Baseline, Transit Gateway, Site To Site VPN , Client VPN, etc.
‣ Design and Implement the architecture for Terraform Entreprise
‣ Design and Implement the architecture for Vault Entreprise
‣ Design and Implement the architecture of Keycloak for integrating SSO (SAML & OIDC) between all Landing Zone Core Applications
‣ Design and Implement the Public Key Infrastructure (based on Vault)
‣ **Technical Environment :** AWS EC2, AWS RDS, AWS Route 53, AWS ACM, AWS KMS, AWS ECS, Terraform, Vault, GitLab, Keycloak, SSO, etc.

AWS Solution Architect

Vallourec - May 2022 to July 2022 - Freelancer - Valenciennes - France

‣ **AWS cost and Usage Assessment for Vallourec in Brazil and US**
‣ Assessment applications of Vallourec on AWS
‣ Elaborate Optimization of AWS usages
‣ **Technical Environment** : AWS

Data Platform Solution Architect

Safran Cabin - January 2022 to April 2022 - Freelancer - Colomiers - France

Support Safran Cabin and Safran Group for building their Data Platforms on AWS

AWS Solution Architect

Airbus - October 2021 to December 2021 - Freelancer - Toulouse - France

- **Development of Customer Line Execution System (CLES)**
- Development of building pipeline for CLES Dataset in Skywise
- Design the CLES data model
- Design and implement a Proof of Concept for ingestion pipeline between Skywise platform (Foundry) and CLES application (AWS solution)
- **Technical environment :** AWS Glue, AWS S3, AWS IAM, Amazon RDS, Amazon Cloudwatch, Amazon EventBridge, AWS Lambda, AWS SQS, Terraform, Github, Python, Foundry

AWS Solution Architect

Monaco Digital - January 2021 to November 2021 - Freelancer - Monaco - Monaco

- **Define, design, implement and deploy a souvereign cloud for Monaco Government and its OIV :**
- Realize PoC of CMP and Monitoring solution,
- Deploy the infrastructure dedicated for Monaco Cloud Website
- Implement Landing Zone for customer,
- Design & Develop infrastructure Solutions for controling and monitoring the hosting zone of customers,
- Design & Develop Core foundation of hosting infrastructure,
- Design & Implement Monitoring Solution for Core Operator
- Define and implement PKI solution to manage internal Certificate Authorities for Operator Information System
- Define the Security Model for Internal needs
- Realize POC of identity federation between AWS IAM and VMWare Identity Manaer (Workspace One Access)
- **Technical environment :** AWS OutPost, AWS Organization, AWS Config Rules, AWS Resources (AWS EKS, ECS, Kubernetes, SSO, RDS, Kinesis, EC2, ECS, ALB, Route53, CLoudfront, WAF, etc.), Terraform Enterprise, Terraform Vault, GitLab, CloudBolt, Ansible, Grafana, InfluxDB, Prometheus, etc.

AWS Security Architect

AXA Group Operation - October 2020 to December 2020 - Freelancer - Paris - France

- Risk Assessments of AXA services and applications hosted on AWS
- Implementing Assurance Plan of AWS Foundation for AXA Group.

AWS Solution Architect

Roche Diagnostics - October 2020 to March 2021 - Freelancer - Lyon - France

- Design the META1 Solution from META1 POC
- Improve the Security of the solution
- Align the solution with the Roche Security Standard
- Design a CI/CD for solution
- **Technical Environnement :** AWS (Route53, Cloudfront, Cognito, Amplify Framework, AppSync, CMK, KMS, S3, IAM, API Gateway, DynamoDB, Elastic search,Cloudwatch, SES, CodeBuild, CodePipeline), Sumologic, Dome9, Gitlab.

AWS Solution Architect

Airbus - April 2019 to April 2020 - Freelancer - Blagnac - France

- AWS Solution Architect for Skywise Developer Experience (DX/DA)
- Performed as Technical Leader
- Define, Design, Implement and Deploy Massive Data Extractor for Airlines
- Consult and support DX Team for architecture aspect
- Support on Architecture Topics
- **Technical Environment :** AWS (Lambda, ECS, S3, SNS, IAM, KMS, Step Function, Cloudfront, CloudFormation), MobileSSO, OneLogin, Mulesoft, Saleforces, Foundry, Jenkins, Cucumber, SonarQube.

Solution Architect

Airbus - October 2018 to March 2019 - Freelancer - Blagnac - France

- Solution Architect for the Data factory project, in order to integrate monitoring solution of Legacy Data Ingestion in Skywise
- Define and design the Monitoring
- Implement Splunk Dashboards to display historical and real time insight of pipelines data health
- **Technical Environment** : Foundry, Splunk, legacy applications

AWS Solution Architect

NavBlue - December 2018 to March 2019 - Freelancer - Blagnac - France

- Define dedicated Ops solutions for Ops Team of NavBlue
- Realize POC to valide Ops solutions
- Design Architecture and infrastructure for NavBlue applications based on AWS EKS (Kubernetes)
- Implement Infra as a Code to automate Ops solution for each new EKS environment with operation tools
- Support Ops Team to adopt solutions
- Write Architecture Documents
- **Technical Environment** : Terraforms, AWS (EKS, EC2, VPC, RDS, Lambda, Route53, ELB, etc.) Kubernetes, Grafana, Prometheus, Dashboard K8s, Jenkins.

Cloud Security Architect

Air France-KLM - January 2018 to July 2018 - Freelancer - Toulouse - France

- **Promote and Support cloud strategies and concepts**
- Define the Security Best Practises for the Hybrid Cloud of AF/KLM on AWS and Azure,
- Propose designs of the target Architecture according to the Security best practices and the AF/KLM compliances
- Align the Architecture with the technologies of Group and Customers
- Define security design patterns
- Implement the validated designed Solution
- Setup the Security Best Practices
- Implement continuous service transition with 24x7 teams
- Support the current and next POCs to secure their environment

- ‣ Support the different RFP (IDaaS and CASB) according to the security best practices

IT Architect For Physical Design Activities

Airbus - July 2012 to December 2017 - Freelancer - Saint-Martin du Touch - France

- ‣ Lead and perform the technical design of the new solution & inftrastucture according to the functional architecture and Business Service level Requirements:
- ‣ Align technical architecture with Airbus standard middleware component (VAX/VMS, MS SQL, DB2, AIX, Websphere, Apache Tomcat, Oracle, Windows Server...)
- ‣ Align technical architecture with security policy .
- ‣ Align technical architecture with operational constraints
- ‣ Define infrastructure component (IaaS, PaaS, storage, network...) in line with Airbus Standard
- ‣ Design high availability infrastructure if required
- ‣ Provide technical knowledge on software solution
- ‣ Conduct technical architecture workshops
Estimate Infrastructure deployment costs for each project concerning Hardware, Software, Operations, Design, etc.
- ‣ Propose and evaluate architecture scenarios with pros /cons analysis and associated budget
- ‣ Conduct potential working and validation meetings with project, security and operation team ...
- ‣ **Technical Environment:** J2EE, .NET, LDAP, Unix, Solaris, Windows, Apache, Tomcat, Websphere , Siteminder, Kerberos, Security, Windchill, AIX/Solaris, Lunix/Unix, VMS, ESX, Windows, Active Directory, PaaS, IaaS, Grid Computing, LSF, etc

IT Architect

Airbus - April 2011 to December 2011 - Freelancer - Blagnac - France

- ‣ IT Architect For Corporate Functions and Security Solutions
- ‣ Definition of infrastructure architecture for Corporate Functions and Security Solutions
- ‣ Lead and perform the technical design of the new solution & inftrastucture according to the functional architecture and Business Service level Requirements:
- ‣ Align technical architecture with Airbus standard middleware component (VAX/VMS, MS SQL, DB2, AIX, Websphere, Apache Tomcat, Oracle, Windows Server...)-
- ‣ Align technical architecture with security policy
- ‣ Align technical architecture with operational constraints
- ‣ Define infrastructure component (server, storage, network...) in line with Airbus Standard
- ‣ Design high availability infrastructure if required
- ‣ Provide technical knowledge on software solution
- ‣ Conduct technical architecture workshops
- ‣ Estimate Infrastructure deployment costs for each project concerning Hardware, Software, Operations, Design, etc.

- Propose and evaluate architecture scenarios with pros /cons analysis and associated budget
- Conduct potential working and validation meetings with project, security and operation team ...
- **Technical Environment:** J2EE, .NET, LDAP, Unix, Solaris, Windows, Apache, Tomcat, Websphere 6, Siteminder, Kerberos, Security, Windchill, AIX/Solaris, Lunix/Unix, VMS, Windows, Active Directory, etc.

Java/J2EE Expert

Infotel - October 2011 to April 2012 - Freelancer - Blagnac - France

- Technical support for the ADOC Manager V3.1 project
- Analysis and design of a bulk import and export prototype of SGML documents on ADOC Manager V3 (Airbus)
- Analyze software architecture for handover of the application,
- Analyze & design evolutions,
- Write technical specification,Update the indexation system of application,
- Update the application : technical level of software architecture and infrastructure (JRE, JDK, Spring, Hibernate, Sax, Tomcat, etc.).
- Deploy the development and producing environment.
- **Technical Environnement:** Java 6, J2EE 5, Hibernate, JBoss, JBoss Cache, VMWare, Spring 2.0, Tomcat 5.5, Oracle 11g, Linux RH 5.4, Eclipse 3.4, XML/SGML, Ant, Maven, JMS, ApacheMQ.

IT Architect

Airbus France - November 2007 to December 2010 - Freelancer - Saint-Martin du Touch - France

- IT Architect Functional Design Activities
- Engaged in multiple projects for different engineering departements, I was in charge of validating the architecture of application solutions. My role was to ensure the consistency and the conformity of the solutions adopted by the projects based on standard infrastructure and integration rules, security and software delivered by the IT department of Airbus. I advised and I supported projects in design phase providing technical and software specialty according to the technologies and software. To complete my mission, I conducted technical architecture workshops, I designed technical architectures for several projects, and I provided technical knowledge on software solutions and Airbus Standard.
- Consulting and architecture development
- Establishment of technical models, architectural workshops
- Drafting & validation of architecture records
- Support on RFI and RFP
- Technical support during the preliminary phase
- **Technical Environment:** J2EE 1.4 and 5, Hibernate, Struts, Spring, .NET, LDAP, Unix, Solaris, Windows, Apache, Tomcat, Websphere 6, Siteminder, Kerberos, Security, Alfrescoetc...

Technical Manager / Architect. Responsible.

Orange - June 2006 to October 2007 - Consultant - Blagnac - France

- Technical exploitation of the E-Technician application: Application dedicated to technicians to monitor their activity: front office (accessible via PDA or WAP phone), back office (Web Access).

- Budgeting and development of updates: batch, Java components (Servlet, JSP, etc...), bug fixing, versioning
- Technical Focal point
- Management of operations, integration monitoring, bug tracking
- Organization of technical and operational environments, etc...
- Drafting & validation of operation documents: installation logs, backup logs, supervision logs, etc...
- Drafting & validation of technical document: architecture records, naming handbooks, metrology specifications, flow specifications, server specifications, etc...
- **Technical Environment:** Windows CE, IE 5.5, Redhat Linux 2.1, 1.4.2 J2EE, JSP, XML / XSL (Xalan2.4.1, Xerces 2.1), AXIS, WAP 1.1, Web Services, Jolt/Tuxedo 8.0, Oracle 9i, JMS, MQ-Series 5.3, Jonah 4.6, Apache 1.3.27, JavaMail, CFT2.3, $Universe 5.

IT Architect.

GFI Informatique - 2006 to December 2009 - Consultant - Toulouse - France

- Design of platforms for projects of the agency in Toulouse
- Technical support on projects
- Creation and management of the technical department of the GFI Toulouse agency
- **Technical Environment:** J2EE, PHP, LemonLDAP, Oracle, etc...

Technical Expert

La Poste - August 2005 to May 2006 - Full-time - Montpellier - France

- Interfacing study between Habilinet and W@C Portal (VIGNETTE).
  - Drafting of a technical document: Research of solutions to interface WAC and Habilinet following a migration from the latter to the software package Vignette :
  - Production of prototypes,
  - Unit tests of prototypes,
  - Integration tests of prototypes,- Workload tests,
  - Technical study of security issues between Habilinet and W@C Portal, Technical Environment: Windows 2000, ASP, ASP.NET, DNA, COM+, VB6, C#, FrameWork .NET 1.2, Visual Studio .NET, Eclipse 3.0, Sun One Server 6, J2EE 1.4, Portlet (JSR 168), SOAP 1.2, XML-RPC, Web Services (J2EE and .NET), SQL Server 2000, Oracle, Vignette 7.2.
- Production of Habilinet 2.1.0 :
  - Drafting of documents of general design and detailed design,
  - Drafting of the architecture of Habilinet 2.1.0
  - Drafting of installation manuals,
  - Development of new Habilinet modules,
  - Unit testing, integration,
  - Implementation of Wac Portal Security - Habilinet,

  Technical Environment: Windows 2000, DNA, COM+, ASP 3.0, Visual Basic 6, IIS 5, Sybase, XML, XSL, DTD, HTML, CAST SQL Builder,

Technical Project Manager

BRL - June 2005 to August 2005 - Full-time - Nîmes - France

‣ Integration of information system of BRL (Borneo)

‣ Project management, 1 person,

‣ Monitoring of operations,

‣ Implementation of updates,

‣ Bug tracking,

‣ **Technical Environment:** Unix, Tomcat 5, Oracle 9i, JSP, J2EE 1.4, JavaScript, HTML, Eclipse 3.1, Mantis.

Software Engineer

BRL - December 2004 to May 2005 - Full-time - Montpellier - France

‣ Design of the information system of BRL. (Borneo)

‣ Design and development of components,

‣ Testing and integration of components,

‣ Quartz integration (OpenSymphony)

‣ Drafting of the Quartz integration manual in Borneo.

‣ **Technical Environment:** Unix, Tomcat 5, Oracle 9i, JSP, J2EE 1.4, JavaScript, HTML, Eclipse 3.0.

Developer Engineer

Generali - April 2004 to May 2004 - Consultant - Saint-Denis - France

‣ Design and development of support tools for WebSphere 5.1 administration:

‣ Design and development of wrapper script of Java components,

‣ Unit testing and integration testing,

‣ WebSphere administration,

‣ **Technical environment:** AIX, Windows XP, Cygnus, SSH, Shell Script, JACL, J2EE 1.4, Log4J, Websphere 5.1.

SKILLS

Architecture

‣ AWS Solutions Architecture	★★★★☆
‣ Application Servers	★★★★⯪
‣ Cloud Security	★★★☆☆
‣ Azure	★★☆☆☆
‣ RestFull	★★⯪☆☆
‣ TOGAF Foundation + Certified 9.1	★☆☆☆☆

DevOps

‣ Vault (HashiCorp)	★★⯪☆☆
‣ Terraform Enterprise	★★★★☆
‣ GitLab	★★★☆☆
‣ Sentinel (HashiCorp)	★★★★☆
‣ SonarQube	★⯪☆☆☆
‣ Cucumber	★★★☆☆
‣ Git	★★★⯪☆

- Kubernetes ★★★☆☆
- Grafana ★★☆☆☆
- Promotheus ★★★☆☆
- RestAssured ★★★☆☆
- Jenkins ★★★☆☆
- Agile ★★★★☆

Infrastructure

- Amazon Web Services (AWS) ★★★★☆
- IaaS, PaaS ★★★★½
- Azure ★★☆☆☆
- High Availability ★★★★☆
- Grid Computing ★★★☆☆
- Low Latency ★★★★½
- Virtualization ★★★★½
- Windows Servers ★★★☆☆
- AIX/Unix/Linux ★★★★½
- NAS/SAN ★★★☆☆

Middlewares & CMS

- Splunk ★★★☆☆
- 3DExperience ★★½☆☆
- Windchill ★★★☆☆
- Alfresco ★★★☆☆
- Vignette ★★½☆☆
- Joomla ★★☆☆☆

Directories & Security

- Kerberos, NTLM V1 & V2 ★★★★☆
- Siteminder 6 ★★½☆☆
- OpenLDAP ★★★★☆
- LemonLDAP ★★★★½
- ADAM ★★★☆☆

Web & d'Application Servers

- Websphere Application Server 5 & 6 ★★½☆☆
- Jonas 3 & 4 ★★★☆☆
- Tomcat 5 & 6 ★★★★½
- Apache 1 & 2 ★★★★☆

Design & Développement

- Java/J2EE ★★★★½
- C# ★★★☆☆
- HTML,PHP, CSS, XML ★★★★☆
- C/C++ (Linux & WIndows) ★★★☆☆
- Merise ★★☆☆☆

INTERESTS

Sports

‣ Volunteer for UEFA Euro 2016
‣ Volunteer for FIFA World Cup 1998
‣ Volunteer for Mediterranean Games 1993
‣ Football (Soccer) Player in the Youth Sport Club of Cintegabelle
‣ Football Coach of U18 category in the Youth Sport Club of Cintegabelle

EDUCATION

Google Cloud Platform Fundamentals for AWS Professionals

COURSERA

May 2020

Implementing Microsoft Azure Infrastructure Solutions

GLOBAL KNWOLEDGE

December 2017

After completing this course, students will be able to:

Describe Azure architecture components, including infrastructure, tools, and portals.
Implement and manage virtual networking within Azure and configure cross-premises connectivity.
Plan and create Azure VMs.
Configure, manage, and monitor Azure VMs to optimize availability and reliability.
Implement Azure App Service.
Plan and implement storage, backup, and recovery services.
Implement container-based workloads in Azure.
Deploy, configure, monitor, and diagnose cloud services.
Implement Azure AD.
Manage an Active Directory infrastructure in a hybrid environment.
Automate operations in Azure by using Azure Automation runbooks.

Security Operations on AWS

GLOBAL KNOWLEDGE

December 2017

In this intermediate course, you will learn how to efficiently use AWS security services to stay secure and compliant in the AWS cloud. We will focus on recommended security best practices that you can implement to enhance the security of your data and systems. We will explore security features of AWS key services, including compute, storage, networking, and database services. We will also consider common security control objectives and regulatory compliance standards and examine use cases for running regulated workloads on AWS across different verticals, globally. In this course, you will learn how to leverage AWS services and tools for automation and continuous monitoring—taking your security operations to the next level.

AWS Technical Essentials

ABC SYSTEME

October 2016

The AWS Business Essentials course is designed to help you better understand the AWS cloud, so that you are better equipped to discuss and develop a cloud adoption strategy. The course discusses the fundamentals of AWS and the advantages of cloud computing for your business, including security, and financial benefits. It introduces frameworks for successful cloud adoption, addresses the changing organizational IT and procurement roles, and reviews how AWS services can transform IT cost management practices.

AWS Solutions Architect – Associate

ABC SYSTEME

October 2016

The AWS Certified Solutions Architect – Associate exam is intended for individuals with experience designing distributed applications and systems on the AWS platform. Exam concepts you should understand for this exam include:

Designing and deploying scalable, highly available, and fault tolerant systems on AWS
Lift and shift of an existing on-premises application to AWS
Ingress and egress of data to and from AWS
Selecting the appropriate AWS service based on data, compute, database, or security requirements
Identifying appropriate use of AWS architectural best practices
Estimating AWS costs and identifying cost control mechanisms

TOGAF Foundation

OPEN GROUP

April 2015

TOGAF®, an Open Group standard, is the open Enterprise Architecture standard used by the world's leading organizations to improve business efficiency. The Open Group TOGAF Certification Program has enabled more than 50,000 Enterprise Architects and trainers around the globe to demonstrate their proven knowledge of the framework.

Certification is achieved through a two-part exam, following a course of self-study or attendance at an Accredited Training Course. The current syllabus for all accredited courses is based on the TOGAF 9.1 Standard since December 2011.

The Open Group TOGAF certification is:
• Used by the world's leading enterprises to certify a common body of core knowledge about the methodology and framework
• A trusted, vendor-neutral, globally recognized and portable credential
• Valuable in demonstrating to employers and peers your commitment to enterprise architecture as a discipline
• An outstanding career move and a foundational certification in the career of any Enterprise Architect

Overview of computer architectures

SQLI TOULOUSE

July 2009

• Enterprise Architecture and BPM
• Software architectures, application bases, integration architecture and SOA, security, IT monitoring and governance, HCI and portals, knowledge management, summary and outlook

Master's Degree in Mathematics and Computer Sciences
IUP INFORMATIQUE AVIGNON
January 2000 to December 2003

Training in engineering computer science : developpment, project management, etc.

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