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Jocelyn Gibart
 |  | Jocelyn GIBART
Public Cloud software and infrastructure Architect.
jocelyn@hightechzone.fr78400 Chatou Phone: +33 (0)6 34 51 97 46 |
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About me

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|  | **Character description** |
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I am a freelance architect (software, data and infrastructure) with a significant experience in public Cloud, Big Data and production (among other things).

Computer software guru. Complex problems solver ++(I have the SRE spirit). Sharp mind, analytic, pragmatic and synthetic.

I still perform a lot of technical field activities and I am an excelling CTO able to overcome many technical barriers. Also able to setup very effective large data processing.
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|  | **Skills and abilities**
Cloud Infrastructure and architecture

Data processing, streaming, transformation and structuring

Numerous in-depth technical expertise.

Site reliability engineering (SRE)

Leadership and team management

Modern software engineering

IT Architecture.
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Experience

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| **Since 2021/10** |
[**Total Energies**](https://totalenergies.com/) Total Energies
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|  | **Architect, Team Lead, Devops, SRE***Microsoft Azure platform, AWS platform*
Public Cloud Infrastructure Architect, Software architect, Technical Team Leader

Remediated software and architecture then successfully moved 3 complex applications (and associated data flows) from Azure to AWS.

Migrated deployment workflows from Azure devops to Github on 3 complex projects.

Site Realiability Engineering.

Bringing 3 apps to be production grade by monitoring and direct application refactoring.

Optimized Spark Big data processing (gain 8 times faster).
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| **From 2019/06 till 2021/10** |
[**Total EV Charge**](https://www.total-ev-charge.com/en/home.html) Total EV Charge
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|  | **NoSql and Azure Cloud infrastructure and software Architect***Microsoft Azure platform, Spring Boot, MongoDb, RabbitMQ, ArangoDB, ElasticSearch, Node.js ...*
Architect on Total EV Charge IT

Quick wins et valuable refactoring on the existing system.

Moved production datacenter to Azure cloud.

Infrastructure as code design and setup for the whole IT system of TotalEvCharge.

DevOps, Github migration.

Any NoSql bidirectional replication solution design and implementation between cloud and on premise.

Long term IT upscale and high availability design.

Installation and setup of many PAAS services ( AKS, AppInsight, Log Analytics, Application Gateway, Vpn Gateway, Azure Bastion, IOT Hub, Azure Backup ).

IOT devices firmware design and architecture ( on esp32 ).

Azure Iot Hub infrastructure design and setup for secured IOT devices.

High traffic WebSocket server design and tests.
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| **From 2017/12 till 2019/06** |
[**SNCF**](https://www.digital.sncf.com/transformation-numerique/les-fabs) Fab Big Data
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|  | **Azure Architect and Big Data Consultant***Azure Cloud, Kubernetes, Azure Container Instances, Azure Active Directory, Polybase, DataBricks, Spark, Azure Automation, AppInsight, HDInsight ...*
SNCF, Big Data Fab. Consultant and Architect on multiple projects

Consulting and projects support regarding application and big data processing design.

Azure Cloud architecture : security, monitoring, deployments, networking, automation, urbanization.

Big Data matters Research and Development. Data replication with encryption. Inter cloud optimized data replication. Spark into Kubernetes containers and into serverless containers.

Site reliability engineer on Azure infrastructure.
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| **From 2015/01 till 2017/12** |
[**AXA Technology Services**](https://www.axa-tech.com/) Axa Data Innovation Lab
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|  | **Big Data platforms infrastructure Architect***Cloudera, on Linux. Ansible, Hadoop, Hive, Impala, Sentry, Spark, Dataiku, JupyterHub, Python, R*
AXA Data Innovation Lab production Datalake, for Axa Technologies and Services.

Automation and large DevOps deployments using modern tools such as Ansible

Hadoop Clusters securing using Kerberos, SSL, firewalling and data on disk encryption

Cloudera clusters deployment using high availability and high security

Deployed backup process, disaster recovery strategy, non-regression tests, performance tests, network flows compliance tests.

Complex issues on Hadoop platforms (performance and technical problems) analysis and resolution.
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| **2014/11** |
[**High Tech Zone**](http://www.hightechzone.fr)
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|  | **High Tech Zone creation and become a freelance consultant.***Specializing into software and infrastructure architecture, public cloud, NoSql technology and Big Data* |

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| **From 2013/07 till 2014/10** |
[**Cassiopae**](http://cassiopae.com)
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|  | **Chief Technology Officer (CTO)***Multiple Technologies and environments ( Java, JEE, Oracle, C++, …)*
In charge of software architecture of Cassiopae products.

Management of a highly skilled specialists team.

Pre-sales support for sales team.

Redesigned and modernized engineering process

Heavily reduced the technological lag.
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| **2006/09 till 2010/07** |
[**Cap Gemini**](http://www.fr.capgemini.com/telecom-media-entertainment) Telecom, Media, Défense
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|  | **Software Architect***Multiple Technologies and environments ( UNIX, JEE, Windows, …)*
Java Architect and Consultant.

Designed and put in production the heavy XML transformation module via DataStage ETL for SFR billing.

High added value missions on many projects (20+).
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| **1997/02 till 2006/10** |
[**BEA Systems**](http://www.oracle.com/us/corporate/acquisitions/bea/index.html)

, acquired since by

[**Oracle**](http://www.oracle.com/)
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|  | **Manager of professional services solutions department**
Design/prototyping, evolutions, logistics, commercial propositions and technical support for the BEA professional services solutions.

Successfully built and launched several products (Host Connect for Tuxedo 8 and 9, … )
**BEA professional services Senior Consultant***All UNIX and all Windows operating systems, all BEA products*
Consulting on BEA products. Developments, benchmarks, entering production assistance. BEA consultants are meant to understand and solve complex technical issues, especially among Middleware and JEE architectures.

Highly skilled missions on very large projects (into production assistance, technical audits, consulting, …)
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Education

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| 1987-1990 |  | E.N.S.T.A. (Paris).
Master of Science.
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| 1985-1987 |  | Lycée Saint Louis (Paris).
Preparatory classes for Master of Science.
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Languages

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French
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Native.
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English
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Read, speak and write fluently. Work 80% in English since 1994.
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Computer skills details

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Concepts and Knowledge
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Public Cloud infrastructures and architectures

Software engineering, software development, integration, porting, optimizations

Big Data / Fast Data (triple competency : production infrastructure deployment, data engineering and Big Data / Fast Data architecture)

Distributed systems / internet / networking

DevOps, DevSecOps, Infrastructure as Code

Advanced application troubleshooting, Site Reliability Engineering (SRE)

Agile development methodologies (Scrum, Kanban)
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Systems et languages
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Virtual infrastructures : Microsoft Azure, kvm, vmware, virtualbox, Amazon, Google Compute Platform, OVH

Azure specific : Virtual Machines, Kubernetes Services (AKS) , Database for \*(MariaDB, PostgreSQL, SqlServer), Load Balancer, Azure Storage, Virtual Networks, Azure Active Directory(Azure AD), EventHub, ServiceBus, Databricks, Azure Web Apps, Container Instances (ACI), Azure Functions, Datalake Storage, CosmosDb, HDInsight, Azure Batch , Container Registry, DataFactory, Bastion, IOT Hub, Application Insight, VPN Gateway, Azure Key Vaults, Azure SendGrid

AWS specific : Virtual Machines (EC2), Elastic Kubernetes Services (EKS) , RDS (PostgreSQL), Load Balancer (ALB, NLB), Storage (S3), Virtual Networks, IAM, SQS, ECR, Lambdas, Session Manager (SSM), Cloudwatch, Secrets Manager

DevOps tools : Terraform, github, azure devops, Ansible, shell

All UNIX operating systems including Linux , all Windows operating systems, DCOS/Mesos, Kubernetes, Docker

NoSql and Big Data Frameworks : Hadoop, Kafka, Kafka Streaming, Databricks, Spark, Spark Streaming, Hive, HBase, Couchbase, MongoDB, ElasticSearch, Cassandra (Certified Cassandra Architect), …

Languages : Java (Java SE, JEE, Springboot, JavaFX), Python, JavaScript (Node.js, VueJs), C++, SQL, …

Relational Databases : Oracle, PostgreSQL, MySQL, MariaDB, MS Sql Server
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API and Specifications
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Specifications : HTML5, CSS3, JEE, JSP / Servlet, JMS, EJB, …

Network programming : TCP/IP, sockets, SSL/TLS , Kerberos, ldap, Active Directory, Wireshark dumps and analysis.

Security : certificates, TLS (aka SSL), encryption, VPN, Zero Trust.
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Products and tools
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Application Servers : Apache, Nginx, HA-Proxy, Tomcat, Jetty, JBoss, Weblogic

Development tools : Eclipse, IntelliJ, Ms Visual C++, git, ant, maven, profilers,…
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