

Olivier Brun – Freelance available asap

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Living Paris (France)

Certified multi-clouds/data/security architect

25 years' IT experience - 10 years as a cloud and security architect

SKILLS

OS	Linux (Debian, Fedora, Red Hat, Ubuntu, Centos), Windows servers, Unix (AIX 5, Solaris)
Sysadmin	Administration serveurs Linux/Windows, [Postfix - Spamassassin-Amavis-Clamav], [Tomcat - Apache-SSL-] (Cron, Rsync, Virtualisation XenAPP Citrix 5, VMware (ESX 5, Vshpere 5.1), Webmin, Tomcat, Weblogic 11g, LDAP, Kubernetes, Vagrant, Docker
Network/Security	SNMP, NAT, VLAN, DHCP, LDAP, Metrocluster (NFS, SAN), VTP, STP, RIP, OSPF, IIS, GPO, AD, NIS, LDAP, ODBC, Samba, IPS Snort, Wireshark, Prométhéus, Grafana, Zabbix, Nagios, Cacti, Backtrack, Kali Linux, Metasploit, aircrack-ng, sqlmap, Nessus, ISO 27001, CIA TRIAD, NIST, OWASP, FIPS 140-2, Cloud Act, Patriot Act, RGPD, Aqua CSPM, CloudGuard, Qualys, Dynatrace Appsecurity, Harfanglab, TrendMicro CloudOne, Tenable Cloud Security, Hydra, Cowbar, Kali linux
Big Data	Cloudera CDH 5x, Hortonworks 2x, Mesos/Marathon Splunk, ELK, Cassandra, MongoDB, GreenPlum, CouchBase 4x, Anaconda, Spyder, Jupyter, Kubernetes, Databricks, Snowflake, Wandisco, Airflow
Databases	SQL Server 2005-2012, PostgreSQL 8x-9x, Oracle 10G 11G 12C ASM, DG, RAC, MySQL4,5, MariaDB 5x, Accumulo, Cassandra, MongoDB, BigTable, CosmosDB, DynamoDB
Languages	Scripting bash, SQL, PHP4/5, C/C++, Java, Python, Powershell
Clouds/laaC	Azure, AWS, GCP, CloudGuard, Ansible, Terraform, Github

CERTIFICATIONS

- 2023 sept : Certification Security Google : Google Cloud Professional Security Engineer
- 2023 july : **Certification Security Microsoft : Architecture and security Expert (SC-100 + AZ-500)**
- 2020 july: Certification Google : GCP - Professional Cloud Architect
- 2020 june : **Certification Security Microsoft : AZ-500 : Microsoft Certified : Azure Security**
- 2020 june: Certification cloud: SAP-C01: AWS Solutions Architect Professional
- 2020 june: Certification Security: SCS-C01: AWS Certified Security – Specialty
- 2019 dec : **Certification cloud : AZ 300-301 : Microsoft Certified: Azure Solutions Architect Expert**
- 2017 july: Certification BigData: HDP Certified Administrator 2x (HDP-CA) (Hortonworks)

PROFESSIONAL BACKGROUND

● Sept 2024 – May 2026: GCP Cloud / AI Architect – Retail – Paris

- Requirements analysis and scoping
- Definition of standards and best practices
- IAM and network security & governance
- Supervision, monitoring, alerting (Centreon, Datadog)
- Technical architecture documentation (HLD / LLD)
- Data architecture & BigQuery
- Data ingestion and transformation pipelines
- AI and Machine Learning using Vertex AI (Gemini Flash / Pro 2.5)
- Design of data-centric architectures on Google Cloud: BigQuery, Cloud Run, Pub/Sub, Dataflow, GCS
- Implementation of Generative AI solutions (LLM): RAG, embeddings, vector search, multi-agent orchestration
- Design of Agentic AI architectures for business and cloud workflow automation
- Integration of AI APIs (Vertex AI, LLM models, external APIs) into secure cloud architectures
- Implementation of secure LLM pipelines: guardrails, filtering, validation, monitoring

AI Security & Governance

- Securing AI architectures based on OWASP Top 10 for LLM Applications
 - Prompt Injection
 - Data Leakage
 - Model Abuse
 - Supply Chain AI
- Implementation of security controls aligned with NIST AI Risk Management Framework (AI RMF)
- Definition of Zero Trust strategies for AI architectures on GCP
- Data governance for Generative AI (data lineage, classification, IAM access)
- Environment: GCP, Generative AI (LLM, RAG, Agents), AI Security (OWASP, NIST AI RMF), Data-centric architecture, API-first architecture, Cloud Security & Zero Trust

- **Environment: GCP, Vertex AI, Datadog, IA, Centreon, LLM, Gemini**

May 2022- April 2024: Mission as Cloud GCP/AWS Security Architect for RCI Renault Banque MFS - Paris

- Vulnerability scanning, IOC, Threat Intelligence, analysis of suspected attacks.
- Implementation of security architectures on the GCP public cloud
- Implementation of Fortanix EKM with GCP
- DNS security study with EfficientIP and Infoblox
- Specific security for the banking sector: DORA, RGPD.
- Implementation of GCP architecture in compliance with established security standards and best practices.
- Deployment of Terraform to develop and manage infrastructure as code (IaC) to guarantee reproducibility and scalability.
- Implementation of robust security solutions and access control mechanisms.
- Regular security assessments, risk analyses and compliance audits.
- Collaboration with internal teams to ensure seamless integration of applications and services on the GCP platform.
- Documentation of implemented architectures and security configurations.

- **Environment: GCP, AWS, Wazuh, Fortanix DSM, DOME9 Cloudguard, Qualys, Tenable CS, Harfanglab, ClouOne TrendMicro, IOC, Threat Intelligence, analysis of suspected attacks.**

● May 2022 - May 2023 : Cloudera Architect for MAIF - Niort

- Level 3 datalake support
- Analysis of security risks, identification of associated impacts and proposal of appropriate action plans
- Ansible scripting to automate recurring cluster administration tasks
- Recurring administration of 2 HDP 100-node clusters
- Liaison with Cloudera consultants on Hadoop cluster improvements
- Relocation of clusters to another physical site
- Implementation of Information System Security Plan recommendations and requirements in hybrid environments: flow control, Identity Access Management (IAM), vulnerabilities, hardening

- **Environment: Cloudera, Ambari, Redhat, Ansible datalake**

● Dec 2019 - April 2022 : Mission as Azure/Aws Security Architect for DANONE - Paris

- Support and technical assistance for security projects (SOC, CSPM, secret management, bastion integration, WAF)
 - - Automation of infrastructure management via bash, terraform, aws cli scripts (VPC, Resource Groups, subnets, NSG, Transit Gateways, Public Addresses)
 - - CSPM vulnerability analysis, recommendations, monitoring and technical support for DevOps teams
 - - CI/CD chain deployment: Jenkins server, Github, Terraform
 - - Deployment of AWS full stack infrastructure with Terraform (complete network, EC2 instances)
 - - Automated management of Ec2 instances via bash and python scripts
 - - Implementation of cloudwatch monitoring, backups, SSM, billing management
 - - POC: CDP Cloudera, Databricks, EKS/ECS, Fargate, Snowflake Dwh, Redshift clusters
 - - Bash scripting to manage AWS and Azure security rules
 - - Automated Windows/Linux AMI creation with aws cli/shell scripts
 - - Onprem Hive / cloud databricks migration with Wandisco
 - - Creation of turnkey blueprints (ARM, CloudFormation,) for the main use cases. technique aux projets pour les actions Sécurités (SOC, CSPM, gestion des secrets, intégration bastion, WAF)
- AWS: Security, IAM management, SG, KMS, keys, certificates, log analysis, disk encryption
 - IAM security management, kms, aes encryption, creation of roles and policies
 - Cybersecurity: Azure Security Center, vulnerability scans, Azure Sentinel, KeyVault (key rotation, secrets, certificates, RBAC)
- Cybersecurity: Access management (Azure AD), Azure Disk Encryption, Azure Firewall, ASG, NSG, PIM, MFA
- Cybersecurity: DDoS protection, Azure Bastion, WAF on Azure Application Gateway

- **Environment : AWS, Azure, RH7, CloudGuard, Terraform, Ansible, Github**

● July 2018 - Dec 2019 : Cloud Architect for AXA Tech - Paris (Insurance)

- Centralization and analysis of security indicators to ensure regular feedback on compliance with information security requirements to the company's management and governance bodies.
 - - Raising awareness of information security issues among all company employees
 - - Assessing the security maturity of suppliers and subcontractors
 - - Manage requests for exceptions to the security policy
 - - Monitor technological, legal and regulatory developments in the field of information security, and ensure that the company benefits from them.
 - - Migration of 15 Windows onprem servers to Azure (Azure Migrate)
 - - Azure cloud activation and control, DataLake settlement
 - - Industrialization of Terraform/Azure VM deployments
 - - Azure Datalake: zone definition, landing, curated, discovery, integration
 - - Implementation of EMEA platform services, in full alignment with the IT team
 - - Bash scripting, Ansible for deployment of Hadoop cluster components.
 - - Datalake migration to AWS: study and implementation of Kinesis, Redshit spectrum , Snowball Edge,
 - Security management: IAM, KMS, aes encryption, creation of roles and policies
 - Cybersecurity: Azure Security Center, vulnerability scans, Azure Sentinel, KeyVault (key rotation, secrets, certificates,)
 - Cybersecurity: Access management (Azure AD), Azure Disk Encryption, Azure Firewall, ASG, NSG, PIM , MFA
 - Cybersecurity: DDoS protection, Azure Bastion, WAF on Azure Application Gateway

- **Environment : Linux Red Hat 6/7, Hadoop Cloudera 5.8, Zabbix 3.4, Chef, Ansible, Terraform LDAP, AWS, Azure, Kubernetes 1.15, Docker 18, ELK, Graphana**

• **June 2016 - June 2018 : AWS/Azure Architect for Banque de France Eurosystemes - Noisiel**

- - Implementation and enhancement of the Azure technical architecture.
- - Migration of 5 servers with Azure Migrate
- - Qualification of business requirements and preparation of technical architecture files.
- - Build simple or complex environments: IaaS, PaaS.
- - Support and expertise on Cloud and related security issues in Azure, supervision, backups, etc.
- - Deploy HortonWorks 2.5 cluster (10 nodes), Ambari, HDFS, Nifi, YARN, ELK 5 on AWS.
- - GCP: use of Google BigQuery, Datavisualisation/ Google Data Studio
- - GCP Cloud: Usage, Storage, IAM, VPC, IAM, Build, Firestore, Kubernetes, Spanner, Bigtable
- - Set-up and definition of datalake with Hortonworks France teams
- - Definition and analysis of customer requirements, project cost analysis
- - AWS: Security, IAM management, SG, KMS, keys, certificates, log analysis, disk encryption

- **Environment: Linux Red Hat, AWS, Azure, Terraform, Ansible, Powershell**

• **May 2016 : 20-day assignment - Cassandra BigData audit for Carrefour - Massy (Retail)**

- Load tests with Cassandra-stress tool on several million rows
- Data model definition, audit logs
- Tuning JVM memory, Replication factor 1, separate disks for data and commit logs (SSD disks recommended for data)
 - 3-node cluster architecture, 1TB of data

- **Environment: Linux Red Hat 6/7, Hadoop Cloudera 5, Cassandra 2x, Ops Center**

• **July - May 2016 : Mission as Clouds Architect for Vente Privée.com - Saint-Denis (2nd French E-Commerce website, 2000 employees, sales 1.7 Billion)**

- Analysis of cloud provider designs and suggestions for improvement
- Onprem server migration to AWS
- Expert contribution to Cloud service design decisions
- Definition and implementation of Cloud best practices, in the form of standards
- Collaborate with Cloud services customers to help them make the best choice of solution, taking into account the various aspects of choice: standardization, quality, costs, etc.
- Help other architects develop their skills in native Cloud solutions.
- Participate in framing the uses of the Cloud Management Platform and challenge requirements.
- Implementation of cloud-related measures, reporting on scope.
- AWS: Security, IAM management, SG, KMS, keys, certificates, log analysis, disk encryption
- GCP, GCE, Bigquery, data analysis (BigTable Dataflow, Dataproc, Jobs, Workflows, Pricing)
- GCP Cloud: Usage, Storage, IAM committees, VPC, IAM, Build, Firestore, Kubernetes, Spanner, Bigtable
- Cybersecurity: Kali Linux, Metasploit, aircrack-ng, sqlmap, Nessus

- **Environment : Linux Red Hat, GCP, AWS, Azure**

• **February - July 2015 : 6-month assignment as Hadoop/Private Cloud Consultant for Lagardère Active - Paris/Munich (Price comparator, 120 employees for the Leguide.com/Ciao.fr part, sales 500M)**

- Architecture, implementation, maintenance and support of Leguide.com/Ciao.fr platform databases. 15 MSSQL databases, 150 MySQL databases, 20 PostgreSQL databases, 3 Hbase 0.94.2-cdh4.2.1 / Hadoop 2.0.0-cdh4.2.1 databases
- 3-node cluster implementation, DataStax Cassandra 2.1 on Centos, keyspace creation, ccm
- Performance optimization / Data model, stored procedures

- Competence building on Hadoop/Hbase, Cloudera 4.7, CDH4 5-node cluster installation
 - **Environment : Linux Centos, Cassandra 2 .1, MSSQL 2008, MySQL 5, Hadoop, Hbase, PostGresql 8-9, Git, Jira**

● December 2013 - Jan 2015 : 1-year assignment as Oracle Production DBA for CMA-CGM (Shipping, 18,000 employees, sales: 16 billion) - Marseille, France

- ADDM Auto Diagnostics tests, SQL Tuning Advisor: (60 bases prod 200 Dev)
- Level 3 administration, memory management, security, incidents, AWR: setting up snapshots
- Golden Gate replication, Hotstandby
- Competence building on Oracle Exadata X2 half-rack
- RMAN restore and backup management,
- Follow-up of Oracle incidents with DBA team in India (prod point every morning in English)
- Database/agent management on Grid 10G 11G 12C
- Cybersecurity: Kali Linux, Metasploit, aircrack-ng, sqlmap, Nessus
 - **Environment : AIX, RAC 10g and 11g, Exadata, Oracle 10G 11G, Dataguard, Goldengate, ASMAuto Diagnostics, SQL Tuning Advisor: (60 bases prod 200 Dev)**

● June 2013 - November 2013 : 6-month assignment as integrator for Gemalto (Digital Security, 10,000 employees, sales: 2 billion) - La Ciotat/Prague

- NFC standards team, Gemalto Ota Manager solutions integration, Linqus
- Level 1 and 2 administration: Oracle 10G RAC, 11G (10 dev bases), security
- RMAN restore and backup management,
- Weblogic server: deployments for Vodafone Germany, Spain, Italy
- Linux administration Red Hat Enterprise 5.9, bash shell scripting
- Project management with teams in Czech Republic, Poland (English-speaking context)
 - **-Environment : Linux Red Hat, Veritas Cluster, Oracle 11G, Weblogic, NFC**

● November 2012 - April 2013 : 6-month assignment as Mssql/PostgreSQL/Oracle Production DBA for Vialtis (Services to carriers in Europe, 60 employees, sales: 150ME) - Aix en Provence, France

- Systems: Windows 2003-2008, Esxi 5.1, RHEL 4 and 5, MCO of servers (approx. 30)
- MSSQL 2008: 10-base administration, optimization, backups, mirroring, SSIS, Sql profiler
- Migration of 2 SQL Server 2005 databases to 2008R2 (10 and 60GB)
- ORACLE 10G under Redhat: 5 databases, level 1 and 2 administration Optimization of prod databases (5 databases), tuning, rman, datapump, exports, database refresh
- Postgres 8 and 9: 3 databases, maintenance, optimization, backups, slony, streaming replication
- Database installation, configuration and testing
- Technical support on incidents: Infrastructure and business applications
- Monitoring and recommendations for database optimization: statistics, index building, table partitioning
- Virtualization: vmWare, Vsphere 5.1 (10VM), SAN 2 bays PS6000 Equallogic
- Backups: Symantec BackupExec, System Recovery 2011

Environment : Linux Red Hat, Jira, Oracle 10G, PostgreSQL, Mssql, SymantecMSSQL 2008

● January - September 2012 : 9-month assignment as Mssql/PostgreSQL/Oracle/MySQL Production DBA for Eurocopter/Helicopters Airbus (Aerospace, 10,000 employees, sales: 5 billion) - Marignane, France

- MSSQL 2005: 100 databases - Maintenance, optimization, backups, mirroring, SQL tuning Advisor
- PostgreSQL 9x: 10 databases Maintenance, optimization, hot and cold backups
- MongoDB 2x: sharding, 3-node cluster configuration
- ORACLE 7 to 11G: 300 databases, Level 3 administration, Audits, ADDM, Tuning1
- Support for development teams / RMAN restore and backup management
- Backups: Netbackup 7 on linux RHEL 5, Backups/Restores linux/windows/oracle

- Level 3 Linux team support with English-speaking engineers in Germany (n-2 and n-1)

- - **Environment: Unix, Linux, Control-M, BMC, Windows 2003-2008, Oracle, Mssql 2005, PostgreSQL**

● January 2010 - December 2011: 2-year mission as DBA MySQL/PostgreSQL/Oracle/Mongodb Recette for CARSAT (pension fund)- Marseille, France

- MySQL 5, PostgreSQL 9, Oracle 9i and 10G: Maintenance, optimization, backups
- Database migration from 8i to 10g (via export import)
- MongoDB: nosql presentation, log management, POC
- Administration of Oracle 10GR2 databases in production
- Support for optimization and tuning operations, performance
- Administration of alert and monitoring system (Zabbix)
- Implementation of supervision tools and systems in UNIX environment,
- Restore and backup management under RMAN, shell scripting.

- - **Environment : Linux, Oracle, MongoDB, MySQL, AIX5.3, Windows 2003-2008, Weblogic, Dollar U, Mantis9, Oracle**

● Nov 2002- Dec. 2009 : Co-founder and Technical/Security Manager HOSTEUR.COM (Company specialized in shared and dedicated server hosting, 10 employees - sales 1ME) - Aix-en-Provence (France)/Sofia (Bulgaria)

- DBA ORACLE 10G: 100 databases, N2 N3 administration, primary, standby, rman (50 customer databases)
- MySQL 4.1 and 5: tuning, replication setup, slow queries, InnoDB
- Deployment of PostgreSQL and SQL Server 2008 on Windows server for certain customers.
- Linux/LAMP administrator (Fedora, CentOs) and Windows Server 2003-2008 (AD, GPO, IIS, mailenable, DHCP).
- Backup server configuration
- Scripting shell deployment websites (apache/MySQL) automatic clients after ordering via website
- Servers: 250 Linux servers, 50 Windows servers managed by around 5 people under my responsibility
- VMware/ Xen Citrix 5.1 administrator (virtualization of 100 Linux/Windows servers)
- Deployment for server monitoring under Cacti 0.8, Nagios XI under Debian
- Management and training of teams of technicians / hotliners support France Bulgaria
- Cybersecurity: Backtrack, Metasploit,aircrack-ng, sqlmap, Nesssus
- Recruitment and 2-month training of an English-speaking technical support team located in Bulgaria (Sofia)
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- **Environment : Linux, Windows 2003 2008, Oracle, Mssql, MySQL, PostgreSQL, Asterix, VmWare, Xen, Lamp, Cacti, Nagios, Cisco**