



STEPHANE VALLIER

Cloud DevSecOps & AI Engineer

39 years old - Driving License

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I specialize in building scalable, efficient, and future-ready cloud platforms. With a strong background in DevOps and systems engineering, I combine strategic vision with a hands-on approach to deliver solutions that accelerate business value, streamline operations, and enable innovation.

Curious and adaptable, I thrive in complex and diverse environments, quickly mastering new technologies and integrating emerging trends such as AI and automation into practical, high-impact solutions. I enjoy guiding teams and organizations to adopt modern practices that enhance agility, performance, and long-term sustainability.

Passionate, pragmatic, and innovation-driven, I believe technology leadership is about creating ecosystems where people, processes, and platforms work seamlessly together to unlock growth.

EXPERIENCES

Cloud Foundations DevSecOps Lead

CosmOps - Since September 2022



Joined the Global Cloud Competency Center (GCC) where I played a key role in enhancing cloud governance, security compliance, and DevOps efficiency across the organization.

- Designed and implemented an automated tagging solution to enforce governance standards and improve compliance tracking.
- Led an audit of Azure DevOps, identifying gaps and implementing remediation to improve reliability and performance.
- Architected cloud solutions improving compliance reporting accuracy and reducing data processing time from 3 days to 10 minutes.
- Delivered AI-driven initiatives: chatbot for compliance remediation guidance and automation of customer interactions and AI driven remediation platform
- Actively involved in strategic cloud initiatives, such as AI, VDI, Azure Policies, FinOps, SecOps, and GreenOps solutions.
- End-to-end design & development of a global Azure compliance platform (frontend, backend, data, AI) - delivered full architecture, build, and deployment.
- Designed and developed a GreenOps platform to track and analyze carbon emissions of Azure infrastructures, integrating Microsoft Emissions Impact Dashboard with Power BI for real-time sustainability insights.

Environment / Technologies : Azure, Azure DevOps, Fabric, PowerBi, Angular, node, Data, AI (Search, CoPilot...)

Methodology : Agile Scrum

IaaC : ARM, Bicep

Languages & Development : PowerShell, Python, Scala, Angular, React, nodeJS, KQL, DAX..

CosmOps Founder | Senior Cloud Specialist

Sodexo - April 2020 to September 2022 - Freelancer



Joining Cloud Center of Excellence team as a Cloud Specialist to participate in the improvement of the development frameworks and automate templates/Extensions to increase product catalog allowing to projects teams to deploy "compliant" assets through a private Azure Market Place

- Development of many custom extensions
- Development of a Azure Kubernetes Services custom Solution
- Development of a Cloud native solution allowing to get SSL certificates renewal approbation from each Project owners of expiring certificates
- Code branching implementation (GitFlow)
- Automated Documentation of Products

Environments / Technologies : Azure, Azure DevOps, Kubernetes...

Methodology : Agile Scrum

IaaC : ARM, Bicep

Cloud DevOps Engineer on behalf of Stime

Stime - January 2019 to April 2020 - Freelancer



As a DevOps engineer, I automated the deployment of the Architecture of DataHub platform composed of 100% PaaS resources, built the CI/CD pipelines of data transformation assets to automate developments delivery, and participated to the global Monitoring strategy.

Finally, I set up some automated process workflows allowing to approve data accesses then developed FinOps solutions.

- Building of Continuous Deployment pipelines of DataHub Architecture
- Building of Continuous Deployment pipelines of data development packages (Databricks Notebooks ; DataFactory pipelines...)
- Tests scenarios writing

SKILLS

AI

- AI agent environments (MCP, OpenAI Agents, Semantic Kernel)
- Managed Compute Providers
- RAG (Azure Search)



DevOps

- Azure DevOps
- Gitlab CI
- CircleCI
- IaaC (ARM / Bicep)
- Git
- Méthodes agiles (SCRUM)
- Ansible / Ansible Tower
- Terraform Enterprise / Community



Public Cloud

- Microsoft Azure
- Amazon AWS
- OVH



Project Management

- Azure Boards
- Microsoft Dynamics
- Salesforce
- Jira



Virtualization

- VMware vSphere / vCenter
- Microsoft hyperV
- Docker / Swarm Clusters
- Kubernetes / AKS



Infra / Systems

- LAMP Architectures
- Debian / Ubuntu / RHEL
- Windows Server



Backup

- Veeam Backup & Replication
- SureBackup / SureReplica
- Arkeia
- Azure Backups



HA / Load Balancing

- RHCS
- KeepAlive
- HAProxy
- proxySQL
- Traefik



- FinOps optimization

Environments / Technologies : Azure, Azure DevOps, PowerBI, Azure SQL DatawareHouse, Azure Databricks, Azure DataFactory, Azure Automation, Event Hubs...

Methodology : Agile Scrum

Languages : ARM, PowerShell, Python, Scala

Cloud Architect on behalf of CAcom

CA|com - July 2018 to January 2019 - Freelancer

As a DevOps Engineer i designed the architecture of an internal production tool to provide improve availability & increase productivity

The "Anakà page tracking software is a pre-press tool used for page management and tracking (94,000 pages processed in 2018). This essential application for CA|com production services was docked in 2017 on a single host and did not benefit from any HA optimization. The project therefore aimed to deploy the application in a Swarm cluster, to set up Continuous Integration, to provide storage persistence and to set up access management to the different stacks using portainer solution

- Conception of distributed Storage Area using RedHat GlusterFS technology to provide persistant and shared Storage to containerized Apps.
Entire platform deployment, configuration & volume mounting has been fully automated using ansible playbooks
- Docker swarm cluster deployment
- Profiting to Password Manager tool providing systems discovering feature to build a Custom real time dynamic inventory construction which is usable by ansible platform
- Automated the deployment of our SaaS solution as LAMP architectures on VMware cluster

Environments / Technologies : Linux Debian, GitlabCI, GlusterFS, Docker, Ansible, VMware

Methodology : Agile Scrum

Infrastructure Architect

CA|Solutions - June 2016 to July 2018 - Full-time



I joined Aristid (formerly called CA|com) as Infrastructure Engineer to build, manage & support the infrastructure services that underpin all internal user services and public services using the SaaS Software solution CA|Omnipublish

- POC solutions, Support CIO during pre-buy phases
- Setting up and maintain monitoring solutions
- Setting Up a solution allowing to centralize & periodically renew IS passwords
- Unification & Securing storage spaces
- Deployment of High Available LAMP architectures
- Architecture of a containerized SaaS solution
- Conception of a solution allowing to automate encrypted backups of all customers databases

Environments / Technologies : VMware, Docker, Docker Swarm, Portainer, GlusterFS, Simplivity, LAMP Architectures, Apache, MySQL Clusters, HAProxy...

Methodology : Agile Scrum

Languages : Bash, PowerShell

Information Systems Manager

Dedalus - June 2014 to June 2016 - Full-time



Developing and implementing infrastructure systems, solutions, and policies and influence outcomes in enterprise data center, network, telephone systems, operating system administration, applications, end-user systems, and related services

- IT Members management
- Define the roadmap, planning & following IT projects
- Preparing & mastering IT costs
- Writing internal documentations, Administration procedures & preparing to ISO9001 certification

Infrastructure Administator

Dedalus - February 2012 to June 2014 - Full-time

As Infrastructure Administator, my responsibility was about installing and configuring new systems and applications, including operating systems, databases, web servers, and other infrastructure components.

- Installation of web servers allowing to patients to consult their healthcare analysis results- Software deployments and hardware configuration
- OnSite intervention : - Deployment of High Available architectures (RHCS ; VMware clusters) to hosts DLSante middleware solutions
- Skills transferts / trainings
- Building of Microsoft Remote Desktop & Remote App solution
- Monitoring of exploitation hardwares & softwares
- Writing of technical documentation, OnBoarding processes, Run processes...
- Optimising deployments to accelerate intervention time

Environments / Technologies : Unix SCO, Linux RHEL, Linux RHCS Clusters, VMware Clusters

Front

- Apache
- NginX
- IIS



Databases

- MySQL
- PostgreSQL
- SQL Analytics
- CosmosDB



Monitoring

- Azure Log Analytics
- Nagios / centreon
- MonYog
- Semonto
- Munin



Storage

- EMC VNX
- HP MSA
- NAS/DAS
- GlusterFS
- Ceph
- Azure (SA, ANF..)



Security

- WAF (Apache Modsecurity ; Imperva solutions)
- Qualys
- Kali
- Azure Defender
- SonarQube



Network

- LAN : TCP/IP, DHCP, DNS, WINS, VLAN
- WAN : Routing, Proxy, VPN/PPTP, DMZ
- Firewalling (Soekris, Netasq, CISCO ASA...)



Langages

- bash
- PowerShell
- Python
- Scala
- AngularJS
- ReactJS



Data

- Fabric
- DataFactory
- DataBricks



Reporting

PowerBI



Systems Technician

DLSante - September 2009 to February 2012 - Full-time



As a System Technician, I had to ensure the support, the systems administration & monitoring, the deployment & migrations initiatives

- Administration of physical machines for healthcare laboratories and users
- R&D tests
- Technical documentation writing
- OnSite Production interventions (maintenance, installations, migrations)

Environments / Technologies : Unix SCO, Linux RHEL, PostgreSQL Databases

EDUCATION

Kubernetes Administration

SMILE - ASNIÈRES

December 2018

Docker Advanced

ALTER WAY - CLICHY

2017

AVAYA Systems

DL SANTÉ - ISSY LES MOULINEAUX

2015

MCSA Microsoft Windows Server

GLOBAL KNOWLEDGE - RUEIL MALMAISONS

2015

Electrotechnique

MAXIMILIEN PERRET - ALFORTVILLE

2002 to 2004

Technicien de maintenance

GEFI - CRÉTEIL

2010

INTERESTS

Technical interests

- Technical meetups / events
- REX Exchanges
- IoT
- AI

Social

- International exchanges
- Member of "Jeune Chambre économique" (<https://www.jcef.asso.fr>)

Sports

- Running / trails
- Working out
- Cycling