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Multi-Cloud DevOps Strategist & Automation Architect

ACADEMIC QUALIFICATIONS

2014 – 2019	5th year engineering diploma in computer science and telecom networks – VINCI, RABAT, MOROCCO
2022	Veeam Certified Engineer Course for Veeam Availability Suite V11 – GTI, RABAT, MOROCCO
2016	Network Administrator Training – ITAB ACADEMY Training Center, RABAT, MOROCCO
2014	Baccalaureate’s degree Physical Sciences Chemistry (PC) – IDRIS 1 High School, ZAGORA, MOROCCO

CERTIFICATION

2026	Red Hat Certified Specialist in OpenShift Advanced Cluster Security - V.N: 210-210-803
2025	Red Hat Certified Specialist in OpenShift Virtualization (EX316) – V.N: 210-210-803
2025	Microsoft Certified: DevOps Engineer Expert – V.N: 6210D66C00E93F3F
2025	Microsoft Certified: Azure Developer Associate – V.N: 580F4945602C7252
2025	Red Hat Certified Specialist in Containers (EX188) - V.N: 210-210-803
2024	AWS Certified Solutions Architect – Professional – VN: f5da2ae887824c15881b5eab4fc5f0cd
2024	Certified Kubernetes Security (CKS) – V.N: LF-eps32mzai7
2024	Red Hat Certified OpenShift Administrator (EX280) – V.N: 210-210-803
2023	Cisco Certified Hybrid Work Presales
2023	Certified Kubernetes Administrator (CKA) – V.N: LF-04xue3lopn
2022	Red Hat Certified Engineer (RHCE) – V.N: 210-210-803
2022	AWS Certified Solutions Architect Associate (SAA-C02) – V.N: JW8BYLLJP1Q4Q85E
2022	Fortinet NSE_7 Certified – Architect – V.N: EQMH8KLTRW
2022	Fortinet NSE_4 Certified – Professional – V.N: YFuixfJX9p
2021	Red Hat Certified System Administrator (RHCSA) – V.N: 210-210-803
2021	Cisco Certified Network Associate (CCNA) – V.N: P4NQ6VZFF3RQ1W9Y
2021	VMware Certified Professional – Data Center Virtualization – V.N: VMW-02567860J-02541667
2020	ITIL V4 foundation – V.N: GR671195290IA
2020	Microsoft Azure Administrator Associate (AZ-104) – V.N: 5B804F43EE077741
2019	Microsoft MCSE Windows Server 2016 – V.N: H380-1160
2019	Microsoft MCSA Windows Server 2016 – V.N: H119-9147
2019	VMware Certified Associate – Data Center Virtualization

CAREER HISTORY

JUL. 2025	Tech Lead — OpenShift Platform Engineering Volkswagen Group (Remote). <i>OpenShift AWS ArgoCD DevOps Platform Engineering Infrastructure Automation</i>
-	Key Responsibilities & Achievements:
Present	• Lead and coordinate a team of OpenShift Platform Engineers, assigning technical tasks, managing priorities, and supporting delivery. • Provide technical mentoring and guidance on OpenShift administration, troubleshooting, architecture, and best practices. • Lead the design, administration, and lifecycle management of Red Hat OpenShift clusters. • Define OpenShift platform architecture, standards, best practices, and operational procedures.



- Manage **OpenShift upgrades**, cluster configuration, Operators, networking, storage, RBAC, and security.
- Lead **OpenShift production operations**, troubleshooting complex cluster, node, networking, and workload issues.
- Implement and standardize **GitOps with ArgoCD** for OpenShift application and configuration management.
- Automate OpenShift infrastructure and configuration using **Terraform and Ansible**.
- Implement **OpenShift monitoring and observability** using Prometheus, Grafana, and centralized logging.
- Manage **OpenShift security hardening**, RBAC, policies, secrets, certificates, and compliance requirements.
- Perform **capacity planning**, performance optimization, cluster health checks, and platform reliability improvements.
- Lead **incident management**, root-cause analysis, and production problem resolution for OpenShift environments.
- Review and approve **OpenShift technical designs and implementation changes**.
- Establish **platform standards and reusable OpenShift patterns** for development and operations teams.
- Coordinate OpenShift platform activities with **architecture, infrastructure, security, and application teams**.
- Evaluate new **Red Hat OpenShift capabilities and Operators** and drive their adoption where appropriate.
- Maintain **technical documentation**, runbooks, operational procedures, and architecture documentation.
- Drive continuous improvement of the OpenShift platform through **automation, standardization, reliability, and operational excellence**.

Technologies:

AWS, Kubernetes, Linux, Terraform, Ansible, Docker, GitLab CI/CD, Jenkins, Prometheus, Grafana, ELK Stack, Git, Bash, Python, YAML, IAM, DNS, VPN, Load Balancers, Virtualization, Storage, DevSecOps, Infrastructure as Code (IaC), Hybrid Cloud.

NOV. 2025

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JUN. 2026

OpenShift Expert Consultant – Safran Group (Seconded from DXC Technology) – Rabat, Morocco

OpenShift | Observability | Enterprise Platforms | DevSecOps | Platform Engineering

Key Responsibilities & Achievements:

- Administered and stabilized enterprise **Red Hat OpenShift** clusters, ensuring high availability, operational reliability, and production readiness across mission-critical environments.
- Implemented **LDAP/LDAPS** integration for centralized authentication, user and group synchronization, and RBAC mapping aligned with enterprise security policies.
- Designed and enforced OpenShift security hardening measures, including **etcd encryption**, API server security controls, Security Context Constraints (SCC), and service account governance.
- Deployed secure ingress architecture using custom TLS certificates, wildcard routing, trusted CA integration, and OpenShift Routes for secure console and application access.
- Implemented **NetworkPolicy**-based micro-segmentation (default-deny model), enabling secure inter-namespace communication for workloads such as Spark, UserLab, and enterprise applications.
- Implemented **GitOps** workflows using **Red Hat OpenShift GitOps (Argo CD)**, automating application deployments, configuration synchronization, and cluster configuration management across environments.
- Supported enterprise storage integration using the **Dell VxFlexOS CSI Driver**, analyzing RWO/RWX constraints and optimizing persistent storage solutions for stateful workloads.

Technologies:

OpenShift, Kubernetes, LDAP/LDAPS, Red Hat OpenShift Container Platform, OVN-Kubernetes, CSI Storage (VxFlexOS), Linux, Terraform, Ansible, Jenkins, GitLab CI/CD, Bash, YAML, DevSecOps.



Oct. 2025

Dec. 2025



Lead OpenShift Architect – Observability & Platform Reliability - United Nations – Barcelona, Spain

Key Responsibilities & Achievements:

- Designed, deployed, and administered highly available, production-grade **Red Hat OpenShift** clusters on bare-metal infrastructure, ensuring maximum uptime, resilience, and performance for mission-critical United Nations workloads.
- Designed and implemented enterprise observability solutions using **Prometheus, Alertmanager, Grafana, and centralized logging**, providing full visibility across cluster infrastructure, platform services, and application workloads.
- Implemented proactive alerting strategies based on **Site Reliability Engineering (SRE)** principles and the **Golden Signals**, improving incident detection, response, and capacity planning.
- Implemented **GitOps** practices using **Red Hat OpenShift GitOps (Argo CD)** to automate application deployments, configuration management, and cluster lifecycle operations across multiple environments.
- Automated infrastructure provisioning, cluster configuration, and operational workflows using **Terraform, Ansible, Bash, Python, and YAML**, ensuring consistent, secure, and repeatable deployments.
- Configured and optimized OpenShift networking, ingress, load balancing, storage, authentication, RBAC, and security components on bare-metal infrastructure, aligning with United Nations enterprise standards and security policies.
- Integrated OpenShift with CI/CD pipelines, automating application deployments, configuration updates, and operational workflows while improving deployment reliability and reducing manual effort.
- Embedded **DevSecOps** practices by integrating **Trivy** and **SonarQube** into CI/CD pipelines, enabling automated vulnerability scanning, code quality analysis, and continuous compliance.
- Collaborated with United Nations infrastructure, security, networking, and application teams to migrate workloads to OpenShift, establish operational standards, deliver knowledge transfer, and ensure long-term platform sustainability.

Technologies:

OpenShift 4, Kubernetes, Docker, Podman, AWS, Terraform, Ansible, Helm, Jenkins, GitLab CI/CD, Dynatrace, Prometheus, Grafana, ELK Stack, Bash, Python, YAML, Trivy, SonarQube, ServiceNow

SEP. 2024

OCT. 2025



Senior Solution Architect – Kubernetes & OpenShift – Sopra Steria – Barcelona, Spain

Cloud Architecture | OpenShift | Kubernetes | Observability | Enterprise Solutions | DevSecOps

Key Responsibilities & Achievements:

- Led the design and delivery of automation frameworks supporting OpenShift and Kubernetes environments, ensuring smooth lifecycle management and cluster upgrades in complex contexts.
- Actively contributed to migration and modernization initiatives, including the transition of workloads between legacy OpenShift 3 and OpenShift 4 platforms, while maintaining compliance and minimizing downtime.
- Architected Infrastructure-as-Code and Configuration-as-Code solutions using Terraform and Ansible, standardizing cluster provisioning, network configuration, and security baselines across AWS and hybrid setups.
- Designed and optimized container orchestration frameworks, applying Helm, RBAC, and network policies to strengthen governance and operational resilience across clusters.
- Embedded DevSecOps best practices using tools such as SonarQube, Snyk, and Trivy, enhancing security posture throughout CI/CD and runtime processes.
- Integrated observability stacks (Prometheus, Grafana, ELK) into automated delivery pipelines for proactive monitoring, alerting, and self-healing capabilities.
- Collaborated within Agile teams to define automation standards, mentor engineers, and drive adoption of scalable cloud-native solutions across multi-environment infrastructures.

Technologies:

AWS, OpenShift, Kubernetes, Docker, Helm, Terraform, Ansible, Jenkins, GitLab CI/CD, Dynatrace, Prometheus, Grafana, ELK Stack, Python, Bash, YAML, DevSecOps, CI/CD, observability frameworks.

JUN. 2023

Cloud Solution Architect – Freelance at AXA GO – Rabat, Morocco

Senior Cloud & Solution Architect | AWS | Hybrid Cloud | OpenShift | Observability | DevSecOps

Key Responsibilities & Achievements:

- Architected hybrid multi-cloud solutions across **AWS, Red Hat OpenShift, GCP, and on-premises** environments, designing scalable enterprise platforms and Amazon Connect (BYOT)-based CCaaS integrations.
- Designed end-to-end contact center architectures using Amazon Connect, Salesforce Service Cloud Voice (SCV), AWS Lambda, Kinesis, S3, and RDS, ensuring seamless CRM and backend integration.
- Implemented call routing logic, IVR workflows, and conversational bots using Amazon Connect and Amazon Lex, aligning intelligent routing strategies with Salesforce SCV orchestration.
- Built event-driven and serverless integrations using EventBridge, SNS, SQS, Lambda, and AWS CLI, enabling loosely coupled communication between microservices, OpenShift-hosted applications, and contact center platforms.
- Administered and upgraded **Red Hat OpenShift** clusters, planning and executing cluster lifecycle management, platform upgrades, and production maintenance while ensuring high availability and minimal service disruption.
- Led Infrastructure as Code, **GitOps**, and DevSecOps initiatives using **Terraform, Ansible, Red Hat OpenShift GitOps (Argo CD), GitLab CI/CD, and Jenkins**, standardizing infrastructure provisioning, application deployments, and Kubernetes/OpenShift platform operations.
- Implemented observability and monitoring strategies using CloudWatch, Dynatrace, Kinesis streaming, Prometheus, Grafana, and centralized logging, improving platform performance, traceability, reliability, and operational visibility.

Technologies:

Scrum, Kanban, JIRA, Jenkins, GitLab CI/CD, Kubernetes, Ansible, Terraform, ServiceNow, GCP, AWS, ..



JAN. 2023

Cloud & DevOps Solution Architect – Rabat, Morocco

Senior Cloud & Solution Architect | AWS | Kubernetes (EKS) | Microservices & APIs | DevSecOps | Observability | IaC & Cloud Migrations

Key Responsibilities & Achievements:

- Led large-scale application migrations to AWS EKS, driving microservices refactoring, containerization, DevSecOps adoption, and Infrastructure-as-Code (IaC) practices to improve scalability, resilience, and compliance.
- Designed cloud-native microservices and API architectures, enabling modular, loosely coupled, and event-driven systems that improved maintainability and accelerated release cycles.
- Built secure and reusable AWS infrastructure modules using Terraform and Ansible, combining automated provisioning with post-deployment configuration and governance controls.
- Developed robust CI/CD pipelines integrating automated testing, artifact promotion, rollback strategies, and compliance checks to support reliable microservices and API deployments.
- Strengthened Kubernetes security by implementing ETCD encryption, network segmentation, RBAC policies, and container image scanning with Trivy.
- Contributed to Amazon Connect integrations, supporting contact flow configuration, Lambda-based backend integrations, and secure data handling within AWS environments.
- Established centralized observability across EKS environments using CloudWatch, CloudTrail, X-Ray, Prometheus, Grafana, and ELK, enabling proactive monitoring and faster root cause analysis.

Technologies:

AWS, Terraform, Jenkins, GitLab, Ansible, ServiceNow CMDB, Kubernetes (EKS), Docker, Red Hat Linux,



MAY. 2022

Cloud & DevOps Solution Architect – SICPA, Casablanca, Morocco

Senior Cloud & Solution Architect | AWS & Azure | Hybrid Cloud | Kubernetes/OpenShift | APIs & Microservices | DevSecOps | CI/CD & Observability

JAN. 2023

Key Responsibilities & Achievements:

- Architected and deployed hybrid cloud infrastructure across AWS and Azure, delivering scalable, resilient, and secure enterprise platforms with integrated monitoring, logging, backup, and governance controls.
- Designed and implemented end-to-end Amazon Connect (BYOT) contact center solutions, including call routing logic, IVR workflows, and secure integration with backend services.
- Integrated Amazon Connect with Salesforce Service Cloud Voice (SCV) and microservices-based APIs using AWS Lambda, S3, and RDS to enable CRM-driven routing and customer interaction management.
- Led infrastructure automation initiatives using Terraform and Ansible, provisioning AWS services (IAM, VPC, Lambda, Kinesis, S3) and standardizing cloud environments through IaC.
- Engineered enterprise CI/CD pipelines (Jenkins, Git, SonarQube, Nexus) supporting Kubernetes/OpenShift microservices and serverless workloads with embedded DevSecOps controls.
- Designed secure containerized environments on OpenShift and Kubernetes, implementing RBAC, network policies, image scanning, and compliance-aligned security baselines.
- Contributed to disaster recovery and high-availability strategies across hybrid cloud and contact center workloads, ensuring business continuity.

Technologies:

AWS (EC2, S3, VPC, IAM), Azure, Kubernetes, OpenShift, Docker, Terraform, Ansible, Puppet, Jenkins, Git, SonarQube, Nexus, OpenLDAP, RADIUS, Red Hat Linux, Windows Server, VMware (vCenter, ESXi), ServiceNow, Oracle DB, CI/CD pipelines, Microservices, REST/GraphQL APIs, DevSecOps, Observability frameworks, Hybrid Cloud, Infrastructure-as-Code (IaC).

APR. 2022

Infrastructure Systems Engineer at MEDAFRICA SYSTEMS (Maroc Datacenter) – RABAT, MOROCCO

AWS Cloud | Hybrid Cloud | Infrastructure Design | IaC | DevSecOps | Containers

MAY. 2022

Key Responsibilities & Achievements:

- Designed, built, and managed AWS cloud resources (EC2, S3) for development, test, and production workloads, ensuring scalability, resilience, and cost-efficiency.
- Administered and maintained Unix/Linux and Windows server infrastructures, implementing secure and reliable operational practices.
- Automated infrastructure provisioning and configuration using Ansible, promoting consistency, repeatability, and reduced operational risk.
- Managed virtualization environments with VMware vCenter and ESXi to support hybrid cloud.
- Supported and monitored enterprise infrastructures, networks, servers, and applications, ensuring high availability and performance.
- Defined operating procedures, backup/restore processes (Veeam), and disaster recovery strategies for critical workloads.
- Collaborated with stakeholders to align infrastructure and cloud solutions with business objectives and enterprise standards.

Technologies:

AWS (EC2, S3), Hybrid Cloud, Linux (Red Hat), Windows Server, VMware vCenter/ESXi, Ansible, Veeam, F5, FortiGate, Sophos, Active Directory, Containers (Docker), CI/CD principles, Cloud security, ...





FEB. 2020

Cloud Engineer – IP2S (Subcontracting at Maroc Telecom) – Rabat, Morocco

AWS Cloud | Hybrid Cloud | Infrastructure Design | IaC | DevSecOps | Containers

APR. 2022

Key Responsibilities & Achievements:

- Designed and deployed enterprise-grade cloud platforms using AWS (EC2, S3), ensuring scalability, high availability, and resilience for critical telecom services.
- Integrating on-premise infrastructure with AWS to enable flexible and cost-efficient deployment.
- Implemented security and compliance best practices, including server hardening, access controls, and monitoring, aligning with enterprise standards.
- Automated infrastructure provisioning, configuration, and backup workflows, reducing operational risk and manual effort.
- Configured network and traffic management solutions (load balancing, DNS, WAF) to support highly available and secure application platforms.
- Collaborated with stakeholders to define solution requirements, architecture designs, and deployment strategies for complex enterprise workloads.
- Produced technical documentation, solution patterns, and operational guidelines to ensure consistent adoption of cloud best practices.
- Contributed to cloud migration and modernization initiatives, designing target architectures and roadmaps for AWS adoption.

Technologies:

AWS (EC2, S3), Hybrid Cloud, Linux/Unix, VMware vCenter/ESXi, F5 BIG-IP (LTM, DNS, WAF), FortiGate.

DEC. 2019

Cloud Engineer at Capgemini – CASABLANCA, MOROCCO

Tasks:

FEB. 2020

- Assisted in the deployment and configuration of cloud infrastructure using platforms like Amazon Web Services (AWS), Microsoft Azure, or Google Cloud Platform (GCP).
- Monitored cloud infrastructure and services to ensure high availability and performance.
- Responded to alerts and identified issues or bottlenecks in the cloud environment.
- Assisted in troubleshooting and resolving infrastructure and application-related incidents.
- Automated routine tasks and deployment processes to improve efficiency and reduce manual errors.

Technologies:

Jenkins, Ansible, Docker, Kubernetes, AWS services, ELK, Grafana, HAProxy, MySQL, InfluxDB, ...



FEB. 2019

Last study's project internship at DYNAMIC COMPETENCE - CASABLANCA, MOROCCO

Tasks:

JULY. 2019

- Implementation of a platform allowing external users to access, via OpenVPN.
- Implementation and management of new virtualized infrastructures (VMware 6 and 6.5).
- Implementation and management of various services (DBMS, FTP, DNS, E-mail, LVM, NFS, RDS, ...).
- Implementation Backup & Restore (VMs, Data, ...) using Veeam.
- Switch management (VLAN, LCAP, STP, routing, software and hardware upgrades).
- Implementation and management of Linux Red Hat and Windows servers.

Technologies:

VMware ESXi, vCenter, WSUS, GPO, Backup & Recovery Systems, OpenVPN, Linux, ...



PROFESSIONAL TRAINING & WORKSHOPS

JUL. 2026

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JUL. 2026



Corporate Trainer – Ministry of Foreign Affairs, African Cooperation and Moroccan Expatriates – Rabat, MOROCCO

Tasks:

- Delivered professional training on **Kubernetes administration** for IT professionals, focusing on enterprise container orchestration, cloud-native applications, and production best practices.
- Designed structured training materials aligned with real-world Kubernetes environments, covering architecture, networking, storage, security, and workload management.
- Conducted hands-on workshops to reinforce practical skills in deploying, managing, troubleshooting, and securing Kubernetes clusters and applications.
- Provided guidance on Kubernetes administration, including RBAC, Services, Ingress, persistent storage, scheduling, and application lifecycle management.
- Ensured a strong balance between theoretical concepts and practical laboratory exercises to simulate real-world enterprise Kubernetes environments.

Technologies:

Kubernetes, Docker, Helm, YAML, kubectl, RBAC, Ingress, Services, ConfigMaps, Secrets, PV, PVC, ...

FEB. 2026

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FEB. 2026



Corporate Trainer – General Directorate of Information Systems Security (DGSSI) – Rabat, MOROCCO

Tasks:

- Delivered professional training on **Windows Security and Active Directory administration** for Master's-level students (INPT – Rabat), focusing on enterprise security best practices.
- Designed structured training materials aligned with real-world Windows Server and AD.
- Conducted hands-on workshops to reinforce practical skills in system administration and security.
- Provided guidance on troubleshooting authentication, Group Policy issues scenarios.
- Ensured a strong balance between theoretical concepts and practical lab exercises to simulate enterprise environments.

Technologies:

Windows Server, Active Directory, Group Policy (GPO), PowerShell, Windows Security

DEC. 2024

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DEC. 2024



Corporate Trainer – Société Régionale Multiservices Casablanca-Settat SA – Casablanca, MOROCCO

Tasks:

- Delivered professional training sessions on Ansible and Terraform to enhance automation and IaC capabilities.
- Designed tailored training materials addressing the organization's operational needs and technical goals.
- Conducted practical, hands-on workshops to ensure mastery of automation tools and efficient workflows.
- Provided post-training documentation and ongoing support to reinforce learning outcomes.

Technologies :

Ansible, Terraform, Linux.

Mai. 2025

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Mai. 2025



Corporate Trainer – SNTL (Société Nationale des Transports et de la Logistique) – Rabat, Morocco

Tasks:

- Delivered in-depth corporate training on Azure DevOps covering Boards, Repos, Pipelines, Test Plans, and Artifacts.
- Developed and tailored course content to align with SNTL's project delivery workflows.
- Guided participants through hands-on labs simulating real-world DevOps pipelines.
- Introduced best practices for CI/CD, version control, environment management.
- Enabled teams to adopt infrastructure as code principles using Azure Pipelines and YAML.
- Provided post-training resources and support to assist teams in operationalizing Azure DevOps in their daily activities.

Technologies :

Azure DevOps, Azure Pipelines, Git, YAML, CI/CD, Azure Repos, Azure Boards, Azure Artifacts.

KEY COMPETENCES AND SKILLS

- **Cloud Platforms:** AWS, Azure, Google Cloud, OpenStack.
- **Containers & Platform Engineering:** Kubernetes, Red Hat OpenShift, Docker.
- **Infrastructure as Code:** Terraform, Ansible, Puppet, Chef.
- **CI/CD & GitOps:** Git, GitLab CI/CD, Jenkins, Argo CD, Maven, SonarQube.
- **Operating Systems:** Red Hat Enterprise Linux, Ubuntu, CentOS, Debian, Windows Server.
- **Observability:** Prometheus, Grafana, ELK Stack.
- **Networking & Security:** TCP/IP, DNS, VPN, VLAN, Routing, NAT, Active Directory, IAM.
- **Storage & Virtualization:** VMware vSphere, SAN, NFS, Veeam Backup.
- **Scripting & Automation:** Python, Bash, Groovy, YAML.
- **Databases:** PostgreSQL, MySQL, SQL Server, Oracle, MongoDB.

LANGUAGES

- **Arabe:** Native
- **French:** Fluent
- **English:** Fluent
- **Amazigh:** Native

INTERESTS

- Problem-Solving Challenges (e.g., puzzles, coding challenges)
- Blogging & Writing Technical Content
- Traveling to Explore Tech Events and Cultures