



YANNICK LOUSSOUARN

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OBJECTIVE

Kubernetes expert - DevOps with 8 years of experience. Skilled in architecting scalable solutions using AWS, Azure, Docker, Kubernetes, Terraform, GitLab and ArgoCD. Passionate about full-stack development and creating AI agents, skills and tools, with proficiency in tools such as Go, Python, Bash, MySQL.

EDUCATION

Master of Computer Science, UQAC 2018
Chicoutimi, Canada

Engineering Degree (Generalist Engineer), ENIB 2017
Brest, France

SKILLS

Certifications [Kubestronaut \(2026\)](#), Kyverno Associate (2026), Prometheus Certified Associate (2026), Open-Telemetry Certified Associate (2026), Istio Certified Associate (2026), Cilium Certified Associate (2026), AWS SysOps Associate (2024), HashiCorp Vault Associate (2024)

Technical Skills Virtualization, Automation, Infrastructure as Code (IaC), Security, Containerization, GitOps, Data backup, Backend and Frontend development

Languages French (native), English (fluent), Spanish (fluent)

EXPERIENCE

DevSecOps Engineer 2025 (1 year)
Thermo Fisher Scientific (KubeShuttle) *Bordeaux, France*

- Implemented and maintained Kubernetes on-premise clusters for critical scientific applications and data processing workflows.
- Administered and optimized Keycloak authentication service for secure access management across multiple scientific platforms.
- Developed automation scripts and tools using Go, Python and Bash to streamline deployment processes and infrastructure management.
- Introduced Prometheus, ArgoCD and Ansible, alongside a full refactoring of Grafana dashboards to improve observability, automation and day-to-day operations.
- Built a Grafana AI agent with a set of skills and tools (MCP, scripts) to ease the maintenance and updates of dashboards and scrapers.

Founder 2025 (1 year)
KubeShuttle *Bordeaux, France*

- Created the KubeShuttle SARL to help me manage my consulting activities.

Cloud/DevOps Engineer Azure 2024 (6 months)
Cultura *Bordeaux, France*

- Updated Keycloak authentication service from version 9.0.0 to 25.0.1, and optimized deployment configuration by applying best practices on Kubernetes and ArgoCD.
- Automated production data rollback (MySQL and MongoDB) to non-production environments using AWX workflows and Ansible playbooks for multiple services.
- Improved security of various services through the use of Azure Key Vault for secret storage and access via the ArgoCD Vault plugin.
- Improved GitLab CI pipelines to simplify developers' daily work.

Cloud Engineer Azure

Groupe Sauermann

2024 (5 months)

Bordeaux, France

- Updated Keycloak authentication service from version 13.0.0 to 25.0.1.
- Implemented a Hashicorp Vault on Azure Kubernetes Service (AKS) and organized secret structure to align with the company structure. Optimized access policies through RBAC.
- Set up Vault Secret Operator on Kubernetes to automatically retrieve and rotate secrets in AKS.
- Architected and implemented a tooling platform using Pulumi on Azure.
- Introduced a new Azure-based VPN to simplify and secure cloud resource access for all employees.
- Improved local environment for infrastructure projects by conducting a proof of concept of two solutions, Flox and DevContainers, to create a more sustainable development experience.

DevOps Engineer / Senior Fullstack

Cloud Insurance

2020 - 2024 (4 years)

Oslo, Norway

- Deployed new cloud resources (virtual networks, Lambda, databases, virtual machines, etc.) on AWS using Terraform.
- Updated MySQL servers for all main application instances across all regions (EU, US and SYD), migrating from version 5.7 to 8.0.
- Updated PHP version from 5 to 8 while upgrading Symfony framework from 4 to 5.
- Automated deployments of multiple applications using GitLab CI and Docker Swarm.
- Frontend lead and senior backend developer on the main application.
- Deployed all user interfaces on S3 buckets and set up a CDN using GitLab CI templates to minimize code redundancy.

Fullstack/DevOps Engineer

CATIE

2018 - 2019 (1.5 years)

Bordeaux, France

- Implemented a SaaS solution for collecting information during experimental human factor research (VueJs, Symfony, MySQL).
- Installed and configured an on-premise GitLab server with GitLab runners for web application deployment.
- Created GitLab CI pipelines to generate and deploy Docker images.
- Implemented a backup solution (Restic) for our on-premise Ubuntu server.

C# Developer

Thales

2017 (6 months)

Brest, France

- Developed Unity 3D/VR applications in C# and integrated them into a desktop application (C#/WPF) through a custom TCP/IP-based protocol.
- Developed Unity 3D/VR applications using C#.