

GABIN CHAMBON

Site Reliability & Platform Engineer — Kubernetes, Cloud & AI

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Work authorization: French citizen, based in Paris. Eligible for Express Entry under both the STEM and French-language categories, and for the Global Talent Stream (approx. two-week processing). Open to permanent or contract engagements — start date negotiable.

Summary

Infrastructure engineer, 10 years: 2 in systems and network administration, then 8 in DevOps and SRE roles, all running Kubernetes in production. I build and operate internal and public cloud platforms end to end — from physical hardware to developer self-service — and own the run, the on-call rotation and the continuous improvement.

Today: the full foundation of a B2B telecom operator (private OpenStack cloud across 3 datacenters, 13 stretched Kubernetes clusters totalling 250 nodes, 200 applications, 72 RabbitMQ clusters, 127 PostgreSQL databases, an on-premise LLM inference platform). Previously at Kering: operating a multi-cloud AWS and Alibaba platform of 500+ microservices under continuous deployment, mostly on Amazon ECS with the remainder on Kubernetes (EKS, ACK), and co-owning the group's worldwide customer and loyalty database (Couchbase, 2 TB, XDCR across 3 regions). In parallel, roughly ten clients supported on AWS and GCP in infrastructure audit and build.

SLI/SLO and error-budget culture, everything as code. CKA, CKS, Terraform Associate, AWS SAA.

Technical Skills

Containers & Orchestration: Kubernetes (K8s) — Amazon EKS, Alibaba ACK, Google GKE, RKE2, Talos, Kubespray, OpenShift, OpenStack Magnum · Docker · Helm · Kustomize · Karpenter · KEDA · Kyverno · Crossplane · Kubernetes Operators (CNPG, RabbitMQ, Couchbase)

Cloud & Infrastructure: AWS (EC2, ECS/Fargate, Lambda, RDS, Aurora, ElastiCache, S3, IAM/IRSA, SNS, SQS, CloudWatch, Bedrock) · GCP (GKE, Cloud Run, Cloud Functions, Cloud SQL, Memorystore, BigQuery, Firestore, Cloud Storage, Pub/Sub) · OpenStack · Alibaba Cloud · OVHcloud · Scaleway · Cloudflare · Pure Storage arrays · Linux (Debian, Ubuntu, RHEL)

Infrastructure as Code: Terraform · OpenTofu · Terragrunt · Terramate · Spacelift · Ansible · OpenStack HEAT

CI/CD & GitOps: GitLab CI · GitHub Actions · Azure DevOps · Argo CD · Flux · Renovate · Jenkins · blue/green

Observability: Prometheus · Grafana · Loki · Mimir · Tempo · Grafana Alloy · Faro · OpenTelemetry · Alertmanager · Grafana OnCall · Datadog · Sentry · Fluent Bit

AI / LLMops: vLLM · llm-d · KServe · Gateway API Inference Extension (GAIE) · HolmesGPT · LiteLLM · Milvus · RagFlow · MCP · AWS Bedrock · Hugging Face

Security & Secrets: HashiCorp Vault · Boundary · Keycloak (OIDC) · SOPS · Trivy · Falco · IAM/IRSA

Data & Storage: Couchbase (XDCR, Magma) · PostgreSQL (CNPG operator) · Cassandra · MySQL / MariaDB · MongoDB Atlas · Redis / Valkey · RabbitMQ · ClickHouse · Ceph · MinIO

Languages: Python · Go · Bash · Node.js · HCL · YAML

SRE Practices: SLIs / SLOs / error budgets · DORA metrics · incident management and crisis calls · blameless post-mortems · on-call rotation · disaster recovery · toil reduction · platform engineering and developer self-service · FinOps · DevSecOps · GitOps

Professional Experience

SRE / Platform Engineering Consultant *Mar 2020 – Present*

Inherent Group (Unyc) — SRE / Platform Engineer *Jun 2025 – Present*

B2B telecom operator. 7-person SRE team owning the full technical foundation: OpenStack across 3 datacenters, servers, storage, Kubernetes, the application delivery platform and on-premise LLM inference. Target: 99%.

- Operate the group's full technical foundation, hardware to applications: OpenStack (Kolla, Bifrost/Ironic) across 3 datacenters in cross-site HA, servers, Pure Storage arrays, 13 Kubernetes clusters stretched across those sites, 250 nodes.
- Designed and maintain the platform Helm chart that deploys the group's 200 applications, and run the data layer through Kubernetes Operators: 72 RabbitMQ clusters, 127 PostgreSQL databases (CNPG), 60 Redis/Valkey, a 3 TB / 18-node Cassandra cluster, MySQL.
- Migrated 110 applications and servers from internal IT onto the private OpenStack/Kubernetes cloud, no interruption on critical scope.
- Initiated, designed and shipped the group's on-premise LLM agent platform (vLLM, llm-d, GAIE, KServe, HolmesGPT): toil automation, coding assistance, automated alert triage and developer support.
- Migrated all 13 Kubernetes clusters from Kubespray to Talos (build time 1 hour → 5 minutes), and defined the SLIs, SLOs and observability stack behind them (Prometheus, Mimir, Loki, Tempo, Grafana Alloy, Faro).

- Designed, documented and tested the foundation's DR plan: etcd restore, full cluster rebuild, PostgreSQL/CNPG, RabbitMQ and Pure Storage backups, RTO/RPO per scope validated by restore drills.
- Run on-call for the foundation and end-to-end incident management: triage, crisis calls, comms, remediation and blameless post-mortems — incident qualification time down 80% since automated triage.
- Standardized GitOps (Argo CD, Helm, Kustomize), policy-as-code (Kyverno), KEDA elasticity on RabbitMQ, HashiCorp Boundary access, Keycloak/OIDC identity through Terraform, Renovate upgrades.

Stack: OpenStack, Kolla, Bifrost, Kubernetes, Talos, OpenTofu, Ansible, Helm, Kustomize, Argo CD, Kyverno, KEDA, HashiCorp Boundary, Keycloak, vLLM, llm-d, GAIE, KServe, HolmesGPT, Hermes, Kagent, Milvus, Prometheus, Mimir, Loki, Tempo, Grafana Alloy, Grafana OnCall, PostgreSQL/CNPG, Cassandra, RabbitMQ, Redis/Valkey, GitLab CI

Kering — Site Reliability Engineer Jun 2024 – Jun 2025

Global luxury group. 10-person infrastructure team. Multi-cloud AWS / Alibaba platform hosting 500+ microservices under continuous deployment for the group's fashion houses: mostly on Amazon ECS / Fargate, the remainder on 6 Kubernetes clusters (3 EKS, 3 Alibaba ACK). Terraform / Terragrunt / Terramate, Crossplane self-service for ~50 product teams. Target: 99.9%.

- Co-owned, with one other engineer, production support for the group's worldwide customer and loyalty database on Couchbase running on Amazon EKS: 2 TB, 18 nodes, Magma storage engine, XDCR replication across 3 regions, run on Kubernetes through the Couchbase Autonomous Operator.
- Took part in the group's crisis calls on major incidents — diagnosis, cross-team coordination, remediation, post-mortem — on a platform sized for private sales, product drops and Fashion Week peaks.
- Owned observability for that scope: Couchbase instrumentation, dashboards and alerting rules on Mimir / Loki / Grafana / Alertmanager, to catch replication and capacity drift before customer impact.
- Operated both of the group's deployment planes: the majority Amazon ECS / Fargate estate, administered in Terraform (services, task definitions, autoscaling, ALB), and 6 Kubernetes clusters (3 EKS, 3 Alibaba ACK — staging, pre-prod, prod, ~200 nodes).
- Ran and tuned elasticity across both planes — ECS autoscaling, Karpenter and KEDA on Kubernetes (SNS and RabbitMQ queues, ingress and system metrics) — to match capacity to real load.
- Contributed to industrializing the AWS and Alibaba estate in Terraform, Terragrunt and Terramate across 5 foundation stacks (base, IAM, network, databases, Kubernetes), rebuilding the dependency tree.
- Maintained the group's shared deployment building blocks — Terraform ECS modules and the Kubernetes Helm chart — and their GitHub Actions pipelines; Kyverno, IAM/IRSA, HashiCorp Vault.

Stack: AWS (ECS/Fargate, EKS, RDS, Aurora, ElastiCache, SNS, SQS, IAM/IRSA, ALB), Alibaba Cloud (ACK), Kubernetes, Karpenter, KEDA, Crossplane, Terraform, Terragrunt, Terramate, Helm, Argo CD, Kyverno, HashiCorp Vault, Couchbase, Mimir, Loki, Grafana, GitHub Actions

French Ministries for Ecological Transition & Territorial Planning — DevOps Engineer Jun 2021 – Jun 2024

3 days/week over three years, alongside one other engagement. Shared internal GitLab platform for central government IT. 5-person product team (3 DevOps, 1 tech lead, 1 product owner) serving 2,500 developers.

- Deployed and operated the Ministry's GitLab CE platform — 2,500 developers, 350 projects — first on OpenStack with Ansible and NGINX, then migrated onto Kubernetes (RKE2).
- Industrialized the Ministry's GitLab runner fleet on Kubernetes (RKE2, OpenStack Magnum, Helm, Argo CD) with a shared Squid egress proxy, cutting job queue time by 70%.
- Published reusable OpenStack Terraform modules adopted across the Ministry's DevOps community, reducing full environment provisioning from 1 day to 2 hours.
- Migrated IaC from OpenStack HEAT to Terraform and relocated the platform to a new government OpenStack tenancy, no interruption.
- Built the observability stack (Prometheus, Grafana, Loki, Mimir, Fluent Bit) and DevSecOps CI/CD pipelines for Terraform and Ansible; administered HashiCorp Vault on a Consul backend.

Stack: OpenStack, OpenStack Magnum, OpenStack HEAT, Kubernetes, RKE2, Terraform, Ansible, Helm, Argo CD, GitLab CE, GitLab CI, HashiCorp Vault, Consul, Prometheus, Grafana, Loki, Mimir, NGINX, Squid, Linux, Bash

Independent clients (~10) — Cloud consultant & auditor, AWS / GCP 2020 – Present

Short engagements alongside the long-term missions, exclusively on public cloud: infrastructure audit (architecture, reliability, security, cost) and build.

- Audited public cloud infrastructure for around ten clients: architecture, reliability, security posture (IAM, network exposure, secrets), observability coverage and FinOps, reported as a prioritized remediation plan.
- Rebuilt a client's GCP infrastructure after a security breach: full reconstruction as IaC (Terraform), GKE cluster and Pub/Sub redeployed, hardened IAM and network exposure.
- Migrated a WordPress fleet from AWS Lightsail to Amazon EC2: Terraform, Ansible, RDS, Cloudflare (WAF, CDN, TLS).

Stack: AWS (EC2, ECS, RDS, IAM, Lightsail), GCP (GKE, Pub/Sub, IAM), Kubernetes, Terraform, Ansible, Cloudflare

RAS Intérim — DevOps Engineer Jul 2023 – Jun 2024

2 days/week, in parallel with the Ministry engagement (3 days/week). Staffing group, 20-person digital division. Exit from Elastic Beanstalk and containerization of the application estate.

- Migrated 40 microservices off Elastic Beanstalk in one year, choosing service by service between Amazon ECS for simple workloads and Kubernetes for complex ones.
- Cut CD pipeline duration from 20 minutes to 3 (~85%) while improving application performance and observability.
- Onboarded developers onto Docker — reference images, local stacks, training — to full autonomy; hardened the cloud estate (IAM, network), CloudWatch alerting, Amazon RDS and MongoDB Atlas.

Stack: AWS (ECS, Elastic Beanstalk, RDS, IAM, CloudWatch), Kubernetes, Docker, Terraform, GitLab CI, MongoDB Atlas

Coffreo — DevOps Engineer*Jul 2022 – Jul 2023*

2 days/week, in parallel with the Ministry engagement (3 days/week). 5-person infrastructure team. Migration from Proxmox / LXC containers to Kubernetes.

- Migrated 50 applications from LXC on Proxmox to Kubernetes on OVHcloud: Helm charts, GitLab CD, SOPS secrets.
- Introduced blue/green deployment for 50 applications through DNS CNAME switching, on infrastructure that went down at every release: zero downtime, instant rollback, lead time for changes 30 min → 5 min.
- Deployed the LGTM stack (Loki, Grafana, Tempo, Mimir) with Prometheus, Promtail and Datadog across all 50 migrated applications: metrics, logs and traces from the moment each service landed on Kubernetes.
- Deployed Consul Service Mesh to secure internal traffic; trained the teams on Kubernetes, Helm, Kustomize and SOPS to deployment autonomy, in an infrastructure team until then focused on systems and network.

Stack: Kubernetes, OVHcloud, Proxmox / LXC, Helm, Kustomize, SOPS, Consul Service Mesh, GitLab CI, LGTM, Datadog

Blocs et Compagnie — DevOps Engineer*Mar 2020 – Jul 2022*

Founding technical hire — full-time until June 2021, then 2 days/week alongside the Ministry. Architecture, automation and R&D on confidential computing.

- Designed end to end the OpenStack / RKE2 platform hosting the Geowallet application and Intel SGX enclave workloads (Scone), owned in production.
- Migrated all AWS resources to OVHcloud OpenStack and automated provisioning through Terraform and Ansible (RKE2, CouchDB, PostgreSQL).
- Built the GitLab CI/CD pipelines and Helm templates for the Node.js microservices, with security in the chain (Trivy, Falco, Snyk) and Prometheus / Grafana / Loki observability; plus a Go tool on the OVHcloud API.

Stack: OpenStack, Kubernetes, RKE2, Intel SGX / Scone, Terraform, Ansible, GitLab CI, Go, CouchDB, Trivy, Falco, Snyk

Earlier Experience

- Atawiz — Cloud & DevOps Engineer (Mar 2019 – Mar 2020): AWS and Azure architectures, EKS / AKS / GKE administration, Hyperledger Fabric PoC with Go smart contracts.
- Equativ — Systems Engineer, apprenticeship (Jun 2018 – Aug 2019): on-premise Kubernetes (Kubespray, KVM), AWS Terraform modules, Ansible, EC2 / S3 / IAM / Route 53.
- Microcred, Baobab Group — Systems & Network Administrator, apprenticeship (Jun 2016 – Jun 2018): microfinance across Africa and China; Linux and Windows, Ubiquiti networking, VMware, tier 1–2 support.

Certifications

- CKS — Certified Kubernetes Security Specialist (2022) · CKA — Certified Kubernetes Administrator (2021), both Linux Foundation · HashiCorp Terraform Associate (2022) · AWS Solutions Architect – Associate (2019). All recertifications in progress.

Education & Languages

- Licence in IT Systems Analysis, CFA Insta Paris, 2019 — three-year French degree, comparable to a Canadian bachelor's · BTS SIO (Systems & Networks), CFA Insta Paris, 2018 — college diploma.
- French — native speaker · English — C1, daily in international engineering teams · References on request.