Guillaume Déal

Senior DevOps Engineer

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PROFESSIONAL SUMMARY

Senior DevOps Engineer with over 10 years of experience in software development and infrastructure.
Experienced in designing and operating AWS and GCP environments, automating deployments, and building tools for engineering teams.
Built and managed a three-person DevOps team, with responsibility for service availability and infrastructure cost control.

PROFESSIONAL EXPERIENCE

Founder | LaunchNavi

April 2025 – Present

- Built a decision-support SaaS product for the video game industry from the ground up.
- Designed and developed the web application in TypeScript and Next.js.
- Built TypeScript pipelines to collect and aggregate data in BigQuery, running on Cloud Run or in GitLab CI.
- Built the full production infrastructure: Infrastructure as Code (IaC), CI/CD, monitoring, Python scripts for BigQuery and Firestore backups, and cost control, all within an indie SaaS budget.
- Conducted market research, defined the minimum viable product (MVP) and product roadmap, and acquired the first users.

Tech stack: TypeScript, Next.js, BigQuery, Terraform, GitLab CI, GCP, Vercel

Lead DevOps Engineer | Lepermislibre

October 2021 – March 2025 (3.5 years)

- Maintained website and interface availability, with a service-level objective (SLO) above 99.9%.
- Scaled staging and end-to-end testing environments to support around 40 running in parallel.
- Implemented CI/CD tools and practices, including testing, staging and code reviews, enabling several releases per day.
- Built tools and automation to support rapid growth of the engineering team from 8 to 15 people in one year.
- Migrated environments to Kubernetes to support more flexible application architectures based on microservices.
- Developed the AWS infrastructure using Amazon EKS, Elastic Beanstalk, Amazon RDS for MySQL (Multi-AZ), Redis, CloudFront, S3 and AWS WAF.
- Maintained a data stack spanning around 20 GCP projects: BigQuery, dbt, Cloud SQL (replication from AWS via Database Migration Service), Cloud Functions and cross-project access management.
- Managed infrastructure with Terraform in a central repository organized by application, with separate state files stored in S3 and reviews of infrastructure changes.
- Defined the technical approach and reviewed the Vault deployment on Kubernetes, covering secrets integration across application environments (EKS, Elastic Beanstalk and local Docker Compose).
- Implemented monitoring and alerting with Datadog and CloudWatch, and tracked performance against SLOs.
- Maintained the disaster recovery plan and ran annual recovery tests with the team.
- Managed infrastructure costs.
- Recruited and managed a team of 3 people.
- Developed a quarterly DevOps roadmap with the team and prioritized it with the CTO and other Tech Leads.
- Deployed an internal Llama 3 server as an ad hoc AI project.

Tech stack: Terraform, Docker, Kubernetes, Elastic Beanstalk, AWS, GitLab CI, Vault, Python, Go, Datadog

DevOps Architect | Audivox

January 2017 – October 2021 (5 years)

- Developed a tool to automate new web project setup, including domain names, hosting, server configuration, email addresses and analytics.
- Implemented DRBD replication and automatic failover for Linux servers.
- Added automated Selenium tests using a Java client running in Docker and a Zalenium Kubernetes cluster on AWS.
- Implemented multi-project deployments with GitLab CI.
- Centralized Ubuntu and Debian server configuration management using Puppet.
- Implemented server and application monitoring with Icinga and New Relic.
- Managed large databases (500 GB to 2 TB) using MySQL, MariaDB and MongoDB.
- Developed tools to monitor production websites and detect incidents quickly.
- Automated alerts and actions in response to changes in business metrics.

Tech stack: Ubuntu, Puppet, Docker, Kubernetes, Elastic Beanstalk, AWS, GitLab CI, PHP, New Relic

PHP Software Engineer | Audivox

September 2014 – December 2016 (2 years)

- Developed APIs and statistical tools, including cron jobs, data collection web services and data visualization interfaces.
- Supported server administration for the company's publishing websites.
- Built a high-traffic API handling 100,000 requests per minute.

Tech stack: PHP 5/7, Phalcon, Nginx, MySQL

PHP Developer (Back Office) | CREApluriel

April 2012 – September 2013 (1.5 years)

- Managed projects and wrote specifications.
- Built a system to automatically retrieve and update data from external servers and web services.
- Developed new back-office features.
- Refactored code to improve maintainability.
- Improved data presentation and searchability using the jQuery DataTables and amCharts plugins.
- Upgraded a website to HTML5 and contributed to several other websites.

Tech stack: PHP, MySQL, jQuery, Bootstrap, SOAP

TECHNICAL SKILLS

Cloud Platforms: Amazon Web Services (AWS), Google Cloud Platform (GCP)
Containerization and Orchestration: Docker, Kubernetes
Infrastructure as Code (IaC): Terraform, Ansible, Puppet
CI/CD: GitLab CI
Programming and Scripting: Python, Bash, PHP, Go, TypeScript, Next.js
Operating Systems: Linux, Ubuntu
Monitoring and Logging: Datadog, New Relic, ELK Stack, Prometheus, Grafana
Version Control: Git, GitHub, GitLab
Networking: TCP/IP, DNS, Load Balancing, VPN
Security: SSL/TLS, Firewalls, IAM, Vault (Secrets Management)
Databases: MySQL, PostgreSQL, MongoDB, Redis, BigQuery
Methodologies: DevOps, Agile

EDUCATION

Master's Degree (IUP) in Telecommunications, Networks and Computer Science — Université de Savoie — 2013
Bachelor's Degree in Telecommunications, Networks and Computer Science — Université de Savoie — 2011
University Diploma of Technology (DUT) in Networks and Telecommunications — Université de Savoie — 2010