

# Quentin BUISSON-DEBON

Senior Cloud Engineer (DevOps)

Availability: within 3 months



Work permit: G

Place of residence: 74240 Gaillard

Nationality: French

Date of birth: 06.06.1993

Marital status: Single

Driving license: Car, Motorcycle & E-bike

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*I've been passionate about IT since childhood, consistently working on side projects involving software development, particularly in the open source and free software (FLOSS) space. These experiences helped me build strong development skills, which complemented the operations knowledge I gained through my academic training—forming a solid foundation for a career in DevOps.*

*After earning my Master's degree in Computer Engineering, I was eager to begin working as a DevOps engineer—a role I had been preparing for over many years. I'm driven by technical challenges and fully committed to deepening my expertise in the DevOps field.*

 **Top Skills :** Terraform • Ansible • Docker • Kubernetes • Amazon Web Services

## Work experience

04/2022 – Now

### Senior Cloud Engineer (DevOps)

Cargill - Geneva, Switzerland - On-site



As a member of the TAT, Ag & Trading team within CASC & TRM Technology, I had the unique opportunity to pioneer the DevOps practice within TAT. My primary mission was to design and cooperate with GHS, CCP, and TGRC to build a robust CI/CD pipeline. This enabled seamless production deployments on the Cloud (primarily AWS) while adhering to GitOps & DevOps best practices.

Once the foundation was set, I shifted my focus to designing the application architecture and writing the Infrastructure as Code (IaC) to AWS. On a daily basis, I handle deployment challenges and oversee the design of new cloud solutions.

I'm involved in multiple projects, with the following highlights:

- Weather AI: Deploying an infrastructure powered by 50+ dGPUs for daily runs, utilizing various models including Google DeepMind.
- DAF (Data Acquisition, Scraping, ETL, etc.): Migrating pipeline job infrastructure from on-premise to AWS (GJ/LBD/ECS/EKS), from initial design to production deployment.
- Macbeth: Supporting WebCat cloud migration and deployment.
- WTG Quant & Qxc Models: Revamping ETL model by transitioning to containerized job architecture orchestrated within AWS.

I also initiated the first FinOps efforts within my team, successfully achieving over \$400K in annual cost savings (2024). Additionally, I managed SecOps responsibilities, including CVE fixes, container optimizations, on-prem VM/EC2 operations and AWS service segregation. I also advocated monitoring across all cloud deployments, leveraging Datadog in the process.

Technologies utilized across different projects:

- Cloud providers (AWS, Azure)
- Infrastructure As Code – IaC (Terraform, Ansible, Docker)
- Continuous integration & Continuous deployment – CI/CD (Jenkins, Vela, Ansible Tower)
- Monitoring, Metrics & Traces (Datadog)
- Code analysis (SonarQube, Checkmarx, Nexus, Jfrog, Xray)
- Version control & Project Management (Git, GHE)
- Wiki (Atlassian Confluence)
- Languages : Python, HCL/YAML, Shell, Bash, Zsh

12/2021 – 03/2022

### DevOps / SRE Automation Engineer

Richemont International SA - 1217 Meyrin, Geneva, Switzerland - On-site



Our automation team was dedicated to maintaining, enhancing, and optimizing existing systems while providing comprehensive support and guidance to customers from our 'maisons'. Our mission was to

ensure they could maximize the effectiveness of the tools and technologies made available by the Richemont Tech group.

Technologies utilized across different projects:

- Cloud providers (GKE, AWS, AliCloud)
- Cloud architecture (Anthos)
- Virtualization technology (Docker)
- Infrastructure As Code – IAC (Terraform, Ansible, Packer)
- Registry & Repository manager (Jfrog Artifactory)
- Continuous integration & Continuous deployment – CI/CD (GitLab EE, AWX, ArgoCD)
- Monitoring, metrics & metric collectors & Log Management (Datadog)
- Code analysis (Jfrog Xray)
- Version control & Project Management (Git, Atlassian Bitbucket, Atlassian Jira)
- Wiki (Atlassian Confluence)
- Languages : YAML, Shell, Bash, Zsh
- Tools : VSCodium, Vim, Atlassian Sourcetree, git, Microsoft Teams

05/2020 – 10/2021



### **DevOps / SRE (Cloud Platform) Engineer**

**BNP Paribas Wealth Management - 1204 Geneva, Switzerland - On-site**

DevOps / SRE (Cloud Platform) Engineer specializing in Kubernetes-based cloud projects.

Our team's mission was to transition from legacy, standalone, and unreliable systems to highly available and resilient microservices architectures. This transformation was implemented using an on-premise Kubernetes cluster located in Switzerland, built on Mirantis Docker EE (Enterprise), supporting environments from development to production.

Technologies utilized across different projects:

- Cloud architecture (Kubernetes, Docker EE / Mirantis, k3s)
- Virtualization technology (LXC, Docker, Docker Compose)
- Infrastructure As Code – IAC (Kubernetes manifests, Helm v3, Ansible)
- Registry & Repository manager (Jfrog Artifactory, Docker Trusted Store (DTR), Nexus)
- Continuous integration & Continuous deployment – CI/CD (Jenkins, Ansible Tower)
- GitOps (Not yet implemented at BNPP due to security issues)
- Build (Apache Maven, grunt, GNU Make)
- Web server, Load balancer and Proxy (httpd/Apache2, Apache Tomcat, Nginx, F5, HAProxy)
- Monitoring, metrics & metric collectors (Grafana, Prometheus, InfluxDB)
- Log Management (Elastic/Elasticsearch, Logstash, Kibana, Fluentd, Filebeat, Heartbeat, APM)
- Broker/Queuing (IBM queue manager)
- SQL based DB (Oracle, PostgreSQL)
- NoSQL based DB (Elastic/Elasticsearch, MongoDB)
- Security (TLS, trivy, iptables/FirewallD, CVE/CVSS scan, Popeye)
- IAM (BNPP in-house specific)
- API Management (Swagger)
- Code analysis (Jfrog Xray, SonarQube, Kube Hunter, Kube Bench)
- Version control & Project Management (Git, Atlassian Bitbucket, GitLab EE, Atlassian Jira)
- Wiki (Atlassian Confluence, Markdown, Microsoft Word/Visio/Excel)
- Languages : Python 2.x/3.x, YAML, Groovy/Jenkins pipeline, Java, Shell, Bash, Zsh
- Tools : VSCodium, Vim, Atlassian Sourcetree, git, Microsoft Teams

11/2018 – 04/2020



### **DevOps / SRE (Cloud Platform) Engineer**

**Bottomline Technologies - 1208 Geneva, Switzerland – On-site**

DevOps / SRE (Cloud Platform) Engineer working on « GTSuite » team. First experience in « Global Financial Messaging »

The goal of our team was to create a cloud platform based on a Kubernetes vanilla from scratch(POC) to production. With legacy products (on premise) into microservices to fit the new cloud platform(PaaS). Goal successfully accomplished with 150+ microservices in production.

Technologies utilized across different projects:

- Cloud architecture (Kubernetes, Kubespray, Kubeadm, Minikube)
- Virtualization technology (LXC, Docker, Docker Compose, KVM, Qemu)
- Infrastructure As Code – IAC (Kubernetes, Hashicorp Terraform, Cloud-init, CloudBolt, Ansible, Puppet Enterprise 2017.3 & 2019.0 and Puppet Opensource 5.5.8 LTS)
- Registry & Repository manager (Harbor registry, Nexus Repository Manager)
- Continuous integration & Continuous deployment – CI/CD (Jenkins, Jenkins X, Helm v2)
- GitOps (Weaveworks Flux)
- Build (Apache Maven, grunt, GNU Make)
- Web server, Load balancer and Proxy (httpd/Apache2, Apache TomEE, Nginx, F5, Traefik, HAProxy, Squid)
- Monitoring, metrics & metric collectors (Grafana, Prometheus, InfluxDB)

- Log Management (Elastic/Elasticsearch, Logstash, Kibana, Fluentd, Filebeat, APM)
- Broker/Queueing (RabbitMQ)
- SQL based DB (PostgreSQL, Oracle, Derby)
- NoSQL based DB (Elastic/Elasticsearch)
- Security (Hashicorp Vault, Hashicorp Consul, OSSEC, Sophos, Snort, TLS, trivy, iptables/Firewalld, Fail2Ban, chroot, Lynis)
- IAM (Keycloak)
- API Management (Swagger, ReDoc)
- Code analysis (JaCoCo, SonarQube, Veracode, Black Duck)
- VPN (OpenVPN, Fortinet, Cisco Pulse Secure/AnyConnect)
- Version control & Project Management (Git, GitLab CE, Atlassian Bitbucket, Atlassian Jira)
- Wiki (Atlassian Confluence)
- Languages : Python 2.x/3.x, YAML, Groovy/Jenkins pipeline, Java, Jython, JRuby, Ruby, Go, Node.js (LTS/10.16.3), Javascript, Puppet DSL, Shell, Bash, Zsh, PowerShell
- Tools : VSCodium, Vim, git, Foreman, DBEaver, Slack, Teams

09/2017 – 10/2018



### **DevOps Engineer**

**OBS (Orange Business Services) - 69006 Lyon, France – On-site**

DevOps Engineer contributing to Smart Tracking, Live Button, Smart Tracking Indoor, and Live Objects in-home hosted projects.

For most initiatives, our objective was to develop a cloud platform on OpenStack, progressing from Sandbox/POC to full-scale Production. However, Live Objects was unique—it was already in production as an in-home hosted project, requiring ongoing maintenance to ensure operational stability, including upgrade campaigns, security enhancements, and continuous improvements

Technologies utilized across different projects:

- Cloud computing (OpenStack) & Cloud storage (Swift)
- Virtualization (LXC, Docker, Kubernetes, Docker Compose, KVM, Qemu)
- Configuration manager (Ansible 2.6.x – roles and playbooks)
- Provisioning (Hashicorp Terraform 0.11.x)
- CI/CD (Jenkins, GitLab CI, Rundeck)
- Build (Apache Maven, grunt, GNU Make)
- Web server, Load balancer and Proxy (httpd/Apache2, Apache Tomcat, Nginx, HAProxy and Squid)
- Monitoring, metrics & metric collectors (Zabbix, Nagios, Xymon, Grafana, Prometheus, InfluxDB, check\_mk)
- Log Management (Elastic/Elasticsearch, Kibana, Logstash, Fluentd)
- Broker/Queueing (RabbitMQ)
- BDD/DB SQL (MySQL/MariaDB/Galera/Maxscale, PostgreSQL/PostgreSQL-XL)
- BDD/DB NoSQL (MongoDB, Elastic/Elasticsearch, Elasticsearch Beats, Redis)
- Security (Neutron security groups, Snort, iptables/Firewalld, Fail2Ban, chroot, Lynis)
- VPN (OpenVPN)
- Version control & Project Management (Git, GitLab CE, Jira)
- Wiki (MediaWiki, Gollum)
- Programming languages : Python, Java, Go, Node.js, Bash, Zsh, YAML, JSON
- Tools : Atom, Vim, GitKraken, git, AWS/AWS Tower, GCM

## **Education**

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05/2015 – 05/2017

### **Master RISR (Responsable en Ingénierie Systèmes et Réseaux – Systems and Network Engineering/Manager)**

CESI – Lyon, France

Training objectives : Collect, analyze and formalize the systems and network needs of the company. Design, manage and pilot a systems and/or network engineering project Implementing technical evolutions of the network and system architecture validated by the CIO. Ensure the operational readiness of the network and system architecture of the company.

04/2016 – 04/2017

### **CQPARE (Administrateur de Réseaux en Entreprise - Corporate Network Administrator)**

CESI – Lyon, France

Training objectives : The corporate network administrator is responsible for the operation of the (IT) Systems infrastructure. He leads the actions aiming at offering a quality of service: performance, availability, security. Technical or managerial activities are carried out alone or within a team. He carries out or participates in projects to study and design technical solutions that meet new needs. One of the roles of a computer network administrator is to provide 24-hour availability of the services and data hosted by the network.

08/2014 – 04/2015

### **Licence CSI (Concepteur de Systèmes d'Information) – spécialité « Administration des systèmes et réseaux »**

ORT – Lyon, France

Licence (Bac + 3) CSI (Concepteur de Systèmes d'Information) – spécialité « Administration des systèmes et réseaux »

09/2012 – 09/2014

### **BTS Services Informatiques aux Organisations – spécialité « Solutions d'Infrastructures, Système et Réseaux »**

S.E.P.R – Lyon, France

BTS Services Informatiques aux Organisations – spécialité « Solutions d'Infrastructures, Système et Réseaux »

Enseignement professionnel : Technologie et travaux pratiques (architecture matérielle et logicielle des systèmes informatiques, installation, administration et exploitation de réseaux, étude et mise en oeuvre de solutions informatiques réparties, gestion des entreprises et organisation des systèmes de communication), économie et droit, informatique de gestion.

Enseignement général : Mathématiques, sciences physiques et chimie appliquées, français, langue vivante.

## **Certification & Training**

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In progress



### **AWS Certified DevOps Engineer – Professional**

This certification showcases advanced technical expertise in provisioning, operating, and managing distributed application systems on AWS, giving you increased confidence and credibility with peers, colleagues, and customers. Organizations with these qualified professionals can ensure speedy delivery of secure and compliant systems that are highly available and scalable.

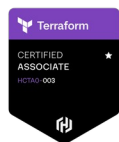
05/2025



### **DevOpsDays Geneva 2025**

The program presents a dozen conferences, workshops and open-space, led by worldwide DevOps and digital transformation experts. In the current context of constant evolution and change, companies must adapt and review their strategy and process to gain flexibility and remain competitive.

07/2024



### **HashiCorp Certified: Terraform Associate (003)**

Earners of the HashiCorp Certified: Terraform Associate certification know the basic concepts, skills, and use cases associated with open source HashiCorp Terraform. They understand and can utilize Terraform according to the certification objectives. Additionally, they understand why enterprises choose to extend Terraform Open Source with Terraform Enterprise to solve business critical objectives.

04/2023



### **DevOpsDays Geneva 2023**

The program presents a dozen conferences, workshops and open-space, led by worldwide DevOps and digital transformation experts. In the current context of constant evolution and change, companies must adapt and review their strategy and process to gain flexibility and remain competitive.

10/2021



### **AZ-900: Microsoft Azure Fundamentals (microsoft.com)**

Prove that you understand cloud concepts, core Azure Services, Azure pricing and support, and the fundamentals of cloud security, privacy, compliance, and trust.

01/2021



### **Cyber Security Foundation Professional Certification - CSFPC (certiprof.com)**

This certification is aimed to gain a global perspective of the challenges of designing a secure system, by touching on all the cyber roles needed to provide a cohesive security solution. With topics about impact on organizational security, compliance requirements, exploits, and gain hands-on experience mitigating controls. (with live labs to work on viruses, including botnets, worms, and Trojans)

05/2020 – 06/2020

### **DO101R: Introduction to OpenShift Applications (redhat.com)**

The DO101 Introduction to OpenShift Applications course focuses on the application development aspects of OpenShift, introducing application building, deployment and troubleshooting.

04/2020 – 05/2020

### **Elastic Stack Fundamentals (elastic.co)**

- Observability Fundamentals
- Introduction to Observability: Logging
- Kibana Fundamentals
- Metrics Fundamentals
- APM Fundamentals
- Elastic Endpoint Security Fundamentals
- Anomaly Detection for Cybersecurity
- Elastic SIEM Fundamentals
- Fundamentals of Securing Elasticsearch
- ECE Fundamentals

04/2020

### **Monitoring Containerized Application Health with Docker (Pluralsight)**

You can add consistent monitoring to your whole application with Docker, the same for every container in every environment. This course teaches you how to expose metrics from Linux and Windows containers, collect them, and display them in dashboards.

04/2020

### **Managing Advanced Kubernetes Logging and Tracing (Pluralsight)**

Managing applications in Kubernetes is a complex task. Implementing logging, tracing, and monitoring can reduce the complexities by giving observability into the system. In this course, you'll see how to implement them in your own cluster.

03/2020

### **Configuring and Managing Kubernetes Storage and Scheduling (Pluralsight)**

This course teaches you how to decouple state and configuration from your Pod's lifecycle using persistent storage and configuration as data as well as how to schedule Pods to Nodes in your Kubernetes cluster.

02/2020



### **DevOpsDays Geneva 2020**

The 2nd edition of DevOpsDays event in Geneva. The program presents a dozen conferences, workshops and open-space, led by worldwide DevOps and digital transformation experts. In the current context of constant evolution and change, companies must adapt and review their strategy and process to gain flexibility and remain competitive.

01/2020

### **DevOps Crash Course: CI/CD with Jenkins Pipelines Groovy DSL (Udemy)**

Understand the basics of the Jenkins architecture. Understand the concept of the Job DSL Plugin on Jenkins and its features. Utilize Jenkins DSLs to achieve efficiency in your day-to-day automation and development projects. Implement CI/CD Pipelines With Jenkins DSL.

01/2020

### **Just Enough Istio to be Dangerous (Udemy)**

Learn basics of Istio and why you need a service mesh by practice :

- Setup Istio cluster with Google Kubernetes Engine
- Configure and validate Istio control plane along with the plugins
- Deploy canary releases in production and learn how to intelligently route traffic
- Inject fault to test the resiliency of the micro services application stack
- Do a zero downtime rolling deployment independent of the underlying infrastructure scaling

12/2019

### **Kubernetes WorkShop Geneva (Hidora)**

Kubernetes workshop with simple installation, scaling, and management of the platform - on any infrastructure. (with k8s like tools)

09/2019

### **Personal Finance Essentials (McGill University's Desautels Faculty of Management)**

In collaboration with RBC Future Launch and The Globe and Mail. Take charge of your personal finances, from budgeting to borrowing, real estate and beyond, you'll gain the knowledge and confidence to make a lifetime of smart financial decisions.

05/2018

### **Kubernetes for Developers: Deploying Your Code (Pluralsight)**

How do you deploy code to Kubernetes? Learn about different deployment techniques including, rolling updates, Canary deployments, Blue-Green deployments, jobs and CronJobs, as well as troubleshooting techniques that can be used to identify issues.

03/2015 – 12/2017

### **Committee technical member and DevOps volunteer**

Member of the technical committee of the hoster HADOLY(voluntary organization), member of the C.H.A.T.O.N.S collective (created by Framasoft) Use of my skills as a DevOps volunteer for the implementation of technical file storage solutions as well as for the automation and industrialization of various HADOLY services / tools.

### **Observability Fundamentals (elastic.co)**

Fundamental skills for achieving observable systems with the Elastic Stack.

### **Just enough Kubernetes to be dangerous (Udemy)**

Setup Kubernetes cluster in a jiffy with Google Kubernetes Engine. Deploy micro services application and publish it to the world. Setup internal dns based service discovery to inter connect services.

Dynamically scale application using auto scaling feature of Kubernetes. Roll out application updates without a downtime / achieve Zero downtime deployments. Learn the basics of kubectl utility

07/2017

### **Linux Professional Institute Linux Essentials (lpi.org)**


Ability to use basic console line editor and demonstrate an understanding of processes, programs and components of the Linux Operating System, and have the technical proficiency to work on the Linux command line; and have a basic understanding of security and administration related topics such as user/group management, working on the command line, and permissions.

01/2014 – 06/2017

### **System & network administrator of the 'xorhub.com' video game platform**



Administration of the infrastructure of the numerous video game servers (system, networks, automation/industrialization & security), websites hosting, game development and coordination of the development pipeline to production servers.

- 10/2016      **Associate certification: CCNA R&S 3 & 4 (cisco.com)**  
Master the essentials including security, automation, and programmability, for rewarding work in a broad range of roles. Scaling Networks & Connecting Networks certification oriented.
- 06/2016      **OpenStack WorkShop at Lyon (openstack.org)**  
Multi-clouds application description and deployment with PaaS framework. Description of Discovery initiative, orchestration models on Openstack followed by Heat and TOSCA workshop. The infrastructure provisioning/deployment with Terraform/Ansible on local OpenStack cluster.
- 07/2015      **ADM100: System Administration I for SAP S/4HANA and SAP Business Suite (sap.com)**  
This course will prepare you to:
- Explain the architecture of SAP NetWeaver Application Server
  - Describe the procedure of a system logon (AS ABAP)
  - Learn about the SAP system configuration
  - Describe the architecture of database systems
  - Explain the user administration fundamentals
  - Explain the monitoring architecture and troubleshooting
- 10/2014       **Associate certification: CCNA R&S 1 & 2 (cisco.com)**  
Master the essentials including security, automation, and programmability, for rewarding work in a broad range of roles. Networking & Routing and Switching certification oriented.

## Languages

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- French (Mother tongue)
- English (Fluent)
- Spanish (Basic knowledge)
- German (Basic knowledge)
- Italian (Basic knowledge)

## Hobbies

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- Volunteered at DevOpsDays Geneva during certain years to support event organization
- Give a bit of my time to non-profit organization promoting free software (Hadoly, C.H.A.T.O.N.S, Illyse, Framasoft, A.L.D.I.L, FDN)
- Personal IT projects with a friend
- Reading (mainly heroic fantasy and Devops/organization books)

## Skills (for OCR)

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|------------------------|----------------------|-------------------------|---------------------------|---------------|
| • Ansible              | • Elasticsearch      | • Nginx                 | • Puppet                  | • SonarQube   |
| • AWS                  | • LXC                | • Git                   | • Harbor registry         | • Jenkins     |
| • Amazon Web Services  | • Wordpress          | • Node.js               | • Puppet DSL              | • SQLite      |
| • Docker               | • ELK                | • GitKraken             | • Hashicorp Consul        | • Jenkins     |
| • Debian GNU/Linux     | • Kibana             | • OpenStack             | • Python                  | • pipeline    |
| • Apache               | • Logstash           | • Gitlab CI             | • Hashicorp Terraform     | • groovy      |
| • DevOps               | • Fluentd            | • PFSense               | • RabbitMQ                | • Squid       |
| • Apache Tomcat        | • Filebeat           | • GCP                   | • Hashicorp Vault         | • Jenkins X   |
| • Atlassian Bitbucket  | • APM                | • Google Cloud Platform | • Redis                   | • Terraform   |
| • Docker Compose       | • Metricsbeat        | • GitOps                | • Heat                    | • Joomla      |
| • Atlassian Confluence | • MariaDB            | • PostgreSQL            | • RHEL                    | • Thunderbird |
| • Atlassian Jira       | • YAML               | • Groovy                | • RedHat Enterprise Linux | • JSON        |
| • Atom                 | • MongoDB            | • ProxmoxVE             | • Helm                    | • YAML        |
| • Black Duck           | • Zabbix             | • Kubernetes            | • iptables                | • Veracode    |
| • chroot               | • FirewallD          | • Openshift             | • Slack                   | • Keycloak    |
| • Drupal               | • Nexus              | • Istio                 | • JaCoCo                  | • Vim         |
| • KVM                  | • Repository Manager | • Jaeger                | • Snort                   | • VSCodium    |
| • Weaveworks Flux      | • Zsh                | • Haproxy               | • Javascript              | • Atom        |
|                        | • Foreman            |                         |                           | • Azure       |