

# Gonzague Pagin

## Cloud Systems Engineer

*37 years old, Biel/Bienne, Switzerland*

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### Profile

As a Cloud Systems Engineer, I leverage strong expertise in DevOps practices and tools to efficiently orchestrate and automate deployments in cloud environments. My professional background includes leading the deployment of complex IT systems, ensuring performance and scalability even under demanding conditions.

I have also gained significant hands-on experience with major public cloud providers, strengthening my ability to design robust, modern architectures.

Curious, proactive, and meticulous, I have a genuine passion for IT and new technologies, constantly exploring innovative solutions to tackle current technological challenges.

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### Education & Certifications

- **Epitech (2014–2019)** – IT Expert  
Focused on software development, system architecture, Cloud, and IT project management.
  - **California State University, San Marcos (2018)** – ALCI Program  
Intensive English and intercultural communication program, including networking and mobile cross-platform C# programming.
  - **Certified Kubernetes Administrator (CKA)** – 2019, renewed 2023
  - **AWS SysOps Administrator** – 2019
  - **GCP Associate Cloud Engineer** – 2020
  - **HashiCorp Terraform Associate** – 2021
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### Key Skills

**Cloud & Infrastructure:** Proficient in public cloud environments (GCP, AWS, OVHCloud) and on-premise infrastructure deployment.

**DevOps & Automation:** Expert in CI/CD pipelines, GitOps, and automation tools (Terraform, Helm, ArgoCD).

**Development & Integration:** Experienced in Python, Ruby, Java, PHP, API design, and microservices architecture.

**Security & Compliance:** Conducted security audits (ISO 27001, SOC 2) and implemented best security practices.

**Monitoring & Observability:** Deployed monitoring tools (Prometheus, Grafana, Datadog)

for performance, debugging, and reliability.

**Project Management & Technical Communication:** Led multi-region projects and ensured effective communication with teams and vendors.

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## Professional Experience

### Parashift AG – Cloud Engineer

*Nov. 2021 – Present*

**Context:** Parashift uses AI-powered OCR to automate data extraction from documents, reducing manual workload and boosting efficiency.

#### Responsibilities:

- Manage and deploy cloud infrastructure with focus on scalability, reliability, and security.
- Deploy and maintain on-premise client solutions, integrating seamlessly with existing systems.
- Optimize ML workloads for reliability and performance.
- Implement GitOps principles for automated and versioned deployments.
- Conduct security audits for ISO 27001 & SOC 2 compliance.
- Design and implement SMTP relay solutions for inbound email functionality.
- Deploy Single Sign-On (SSO) across services to enhance security and UX.
- Build and deploy monitoring stack to improve observability and system reliability.
- Deploy secure, scalable LLMs for high-performance AI applications.
- Create a business intelligence solution for billing and usage reporting.
- Lead multi-region architecture projects with data residency and compliance controls.
- Manage technical communication with third-party vendors.

#### Tech Stack:

GCP (GKE, CloudSQL, Redis, Storage, IAM, BigQuery, KMS, etc.), Prometheus, Grafana, Ruby, Python, Helm, ArgoCD, Terraform

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### TechsMatch – GCP/AWS Cloud Expert

*Jan. 2021 – Jan. 2022*

**Context:** AI-driven recruitment platform optimizing hiring in tech by matching talent and reducing resource investment.

#### Responsibilities:

- Translate client needs into clear talent requirements.
- Assess candidate skills and motivation to predict hiring success.
- Streamline talent sourcing to reduce time and cost.
- Collaborate with expert network to refine recruitment strategies.

**Tech Stack:** Proprietary Ruby-based back office

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## Bodyguard – Infrastructure Engineer

*Mar. 2020 – Sep. 2021*

**Context:** Hate speech detection solution via API and mobile app. Tasks included breaking up a monolithic Java app into microservices, migrating from OVH to GCP, and improving CI/CD.

### Responsibilities:

- Migrate applications to containerized environments.
- Provide developers with CI/CD pipelines and best practices.
- Implement security best practices for users and systems.
- Select appropriate cloud services and handle GCP migration.
- Develop microservices for image fingerprinting, Twitter scraping, and CSV ingestion.

### Tech Stack:

GCP, GKE, PostgreSQL, Datastore, BigQuery, Python, PHP, Java, Bash, OVHCloud, Datadog, Semaphore CI, GitHub, Jira

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## Canal+ – DevOps Consultant

*Apr. 2019 – Oct. 2019*

**Context:** Provide high-performance platforms for live and on-demand video services, handling 20,000+ requests/sec.

### Responsibilities:

- Create secure environments for backend developers to automate deployments.
- Deploy and provision services with internal tools.
- Set up ElasticSearch 7/Kibana cluster with failover and data distribution.
- Migrate deployments to Kubernetes.

### Tech Stack:

AWS, Kubernetes (EKS), Python, Salt, Jenkins, Java/Groovy, Terraform, Grafana, Splunk

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## XMCO – DevOps Developer

*Oct. 2018 – Mar. 2019*

**Context:** Automated cybersecurity monitoring product, involving Kubernetes network overlay evaluation and system availability.

### Responsibilities:

- R&D for cybersecurity automation product.
- Evaluate Kubernetes network overlays.
- Ensure high availability of services (Redis, RabbitMQ, MongoDB).
- Migrate iptables to IPVS.
- Create Helm templates for Kubernetes manifests.

**Tech Stack:**

Kubernetes, Helm, Flannel, Weave, Calico, Traefik, Python, Flask, Redis, Celery, GitLab

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**Pareto – Python Developer**

*Apr. 2017 – Sep. 2017*

**Context:** Web data collection solution feeding a database and API built with Flask.

**Responsibilities:**

- Develop Flask API.
- Handle DB operations with SQLAlchemy.
- Web scraping with BeautifulSoup4.
- Adhere to PEP8 and package code as Python modules.
- Use rotating proxies to bypass scraping limits.

**Tech Stack:**

Python, Flask, SQLAlchemy, BeautifulSoup4, Docker

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**Pix Associates – Web Developer**

*Jan. 2017 – Apr. 2017*

**Context:** Digital agency needing standardized deployment of new websites with CI integration.

**Responsibilities:**

- Implement SEO best practices with schema markup.
- Deploy WordPress in Docker containers.
- Build web apps in PHP with Symfony and Laravel.

**Tech Stack:**

PHP, HTML, CSS, Docker, Bitbucket, Jira

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**Public Sector – System Administrator**

*Aug. 2015 – Jan. 2016*

**Context:** IT support for local municipalities through shared services.

**Responsibilities:**

- Handle incident management and user support.
- Manage IT assets.
- Support public procurement for IT hardware.

**Tech Stack:**

Windows Server 2012 R2, Active Directory, Synology NAS