



Richard Peres

- Based in Vaud, Switzerland
 - B Work Permit
 - Driver license
- (with personal car)

Socials :



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More info on my website :



www.richard-peres.com

Cloud & DevSecOps Engineer specialized in Kubernetes, Cloud, Terraform and CI/CD

Work Experience (1/2)

Since 11-2024 : **Senior Cloud Engineer** - SOPHiA Genetics (CH)

01-23 - 06-24 : **DevSecOps / Cloud Engineer** - Alpian (CH)

- **Platform Administration of GKE clusters**
- **GCP** infrastructure (Anthos, Datastores, PubSub..) development using **Terraform Cloud** private modules
- Definition, implementation and maintenance **deployments** (+60 microservices) through **GitOps** automated flow using **GitHub Actions**, **ArgoCD**, **Helm**, ...
- **DevSecOps** 'support' and **evangelization** of best practices across developer and business teams and stakeholders
- **Cloud Architecture** design and implementation of **GCP, Azure and Kubernetes** components and dependencies
- Design and creation of all company's softwares **CI flows** (GitHub Actions)
- Maintaining customs **Helm** charts templates and **Istio** VirtualServices
- Creating and maintenance of **Terraform modules** (GCP, MongoDB, GitHub, Confluent providers)
- Definition, implementation and documentation of **Cloud Assets** (GCP Databases/Datastore, PubSub, etc.) as a '**Platform-As-A-Service**' approach
- Handling **level 2 & 3 on-call incidents** (customers blocked, bank flow, infra issues, 3rd party downtime) and implementing **fixes** and workaround together with bank operators and devs
- Implementation of **Grafana** and of metrics dashboards
- Migration of MQ system from **PubSub** to **Kafka**
- Participating in **security assessment**
- **Documenting** architecture, processes, 3rd party, issues
- **Deployment** of new features using **feature flags**
- Design and creation of **internal Docker based images**
- GitHub to GitHub **organization migration**, including repositories, secrets, users and config using **custom bash scripts** and **Terraform GitHub provider**

Work Experience (2/2)

07-22 - 10-22 : **Cloud & DevOps Engineer - 3rd-Eyes Analytics (CH)**

- Administration of **Azure Kubernetes** clusters (**AKS**)
- Azure **infrastructure** development using **Terraform**
- Migrating **CI/CD** from **Jenkins & Atlassian** to **GitLab**
- Creating a **Disaster Recovery** procedure
- Deploying company **fintech** solution using **GitOps**
- Tools used : **Azure Cloud, Kubernetes, Kustomize, Docker, Prometheus/Grafana, BitBucket & GitLab, CloudFlare DNS and WAF, GitLab, etc.**

09-21 - 07-22 : **Cloud Engineer Consultant - Deloitte (CH)**

- **Consulting** in various Cloud & DevOps topics
- Target Operating Model & Landing Zone definition
- **Multi-cloud strategy** documentation and advisory
- **DevSecOps** organization adoption framework
- Public organization, Banks, Insurance, etc. clients

2020 - 2021 : **Cloud & DevOps Engineer - Orange (FR)**

- **Big Data Software Development** for **Cloud** application
- Dev. of **2 Kubernetes** operators : **Casskop & Nifikop**
- **SCRUM** Product Management feature creation, implementation, units & **E2E tests**, deployment (on **GCP**), maintenance/support and termination
- Tools used : **GCP/GKE, Kubernetes, GitLab & GitHub, Go, Circle CI, etc.**

2019 - 2021 : **Freelance Web Developer - PR Consulting (FR)**

- Created the **PR Consulting** (www.pr-consulting.fr)
- **IT Consulting, Webmaster & Website creation**
- **Front & Back** End development (JavaScript, PHP & CMS)
- **SEO** assessments, advisory and implementation on client websites
- Worked with **individuals** and **professionals** (B2B/B2C)
- Created and managed **self-company** (administration, looking for new contracts/prospects, tax/accounting, etc.)

03-18 - 06-18 : **Web Developer - Web Alliance (FR)**

- Internship as Web developer for 3 months
- **PHP, WordPress, PrestaShop** development
- SEO/SEA integration for local businesses
- Websites migration and optimization

Education

2018 - 2021 : **IT Engineer's Degree -**

Polytech Nice-Sophia Antipolis (FR)

- **Software Architecture** specialty
- **Engineering Degree** with last year in apprenticeship (80% work, 20% classes)
- Classes at **Polytech Engineering School**, Nice-Sophia Antipolis, France
- Work at **Orange** Telecom DSI Digital Factory of Mougins, France
- Multiple group projects on **Software development and architecture** like scalability, POO patterns, Front&Backend

2020 - 2021 : **Master's Degree 'MAE'**

I.A.E of Nice (FR)

- Master in **Management and Business Administration**
- Business management, Business Model, Accounting, RSE, Management, ...
- **Double** additional **Master Degree** condensed in one year

2016 - 2018 : **IT Diploma (ADIT) -**

University of Nice (FR)

- Introduction to **programming** (C, Java, Bash, Python, ...)
- **Core IT** and system (network, kernel/OS, scripts, language historic, etc.)
- **Web** development (HTML, CSS, PHP, JS)
- **Project management**, accounting, communication, English proficiency



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Certifications

- 11-2024: **Certified Kubernetes Security Specialist (CKS)**
- 09-2022: **Hashicorp Terraform Associate**
- 09-2022 : **Certified Kubernetes Administrator (CKA)**
- 08-2022 : **Certified Kubernetes Application Developer (CKAD)**
- 03-2022 : **Microsoft Certified: Azure Fundamentals (AZ-900)**
- 07-2021 : **Google Cloud Platform Fundamentals**
- 06-2021 : **GitLab Certified Associate**
- 09-2017 : **Google Digital Active (Web Marketing)**

Skills

Cloud :

- **GCP + Azure certified** (also ongoing AWS Solution Architect)
- **Cloud Architecture** (12 factors)
- **Cloud Service Models** pros/cons (PaaS, IaaS, KaaS)
- Infrastructure As Code (**Terraform certified**)
- **Google Kubernetes Engine & Azure Kubernetes Service**
- **AWS** (services knowledge, certification in progress)

DevSecOps :

- **Kubernetes & Docker (CKA + CKAD + CKS Certified)**
- **DevOps** Agility (**Scrum & Kanban**)
- CI/CD (**GitLab certified, GitHub Actions, CircleCI**)
- Automated **GitOps** processes (**ArgoCD**)
- Linux Environment (**Bash & Python scripting**)
- *Logs, alerting & monitoring* (**Log Explorer, Grafana**)
- **OWASP** and vulnerabilities scan/detection
- IAM best practices (Zero Trust, OIDC)

Software Engineering :

- **Software** Architecture (**Microservice**)
- **Go** & Java software development
- **Consulting** in Cloud / Infrastructure strategy
- MongoDB, InfluxDB, Cassandra (**NoSQL**)
- **NodeJS** (**REST & GraphQL APIs**)

Languages

- **French** - native
- **English** - fluent (900 TOEIC)
- Japanese - notions
- Spanish - notions
- Italian - notions