

Pierre Guinoiseau

Senior Site Reliability Engineer

Senior Site Reliability Engineer with 19+ years across Linux and Unix systems, including 8 years in SRE roles, and proficient in Go, Python and Ruby. French and New Zealand dual citizen based in New Zealand, available for remote roles.

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Work **Senior Site Reliability Engineer**

GitLab

Jun 2021 – Present

Remote, New Zealand

Senior SRE on the Production Engineering team, working on the reliability, security and tooling of the infrastructure that runs GitLab.com.

- Operated and evolved the GitLab.com infrastructure platform, running mainly on GCP, with workloads on GKE and GCE, managed through Terraform, ArgoCD, Helm and Chef.
- Built and owned the Terraform-managed registry that became the single source of truth for all GitLab Infrastructure groups, projects, mirror configuration, Vault integration and ephemeral access tokens, replacing manual configuration drift with auditable code and helping enforce shared standards.
- Built and ran the central HashiCorp Vault deployment that handled secrets management and access control for GitLab, GCP and Kubernetes across the infrastructure department.
- Led a platform migration that retired three legacy deployment systems (Helmfile, Tanka, FluxCD) in favour of a single ArgoCD-based GitOps workflow, cutting maintenance surface and enabling faster, safer Kubernetes deployments.
- Strengthened infrastructure change safety through Atlantis-based Terraform workflows and OPA policy enforcement, reducing drift and the blast radius of risky changes.

- Led the cost-optimisation work for the GCP infrastructure, including GKE node-pool migration to modern machine types, committed-use discount planning, and Kubernetes cost-visibility tooling, projected to cut spend by an estimated 60%, partly driven by a 33% node count reduction.
- Covered the APAC shift of a global AMER + EMEA + APAC follow-the-sun on-call rotation.
- Mentored engineers and onboarded new joiners through pairing, training material and architecture documentation, strengthening the team over time.
- Embraced and promoted GitLab's CREDIT values across day-to-day work, with consistent positive recognition for collaboration, iteration and transparency.

Lead Site Reliability Engineer

Magic Leap

Jun 2018 – Jun 2021

Remote, New Zealand

Senior SRE on a globally distributed team supporting Magic Leap's customer-facing services, joined during the development phase of the Magic Leap One. Promoted from Senior to Lead Site Reliability Engineer in April 2020.

- Ran and improved Magic Leap's production and build platforms, both running across AWS and GCP, mostly on EC2, GCE, EKS and AWS Lambda, supporting the customer-facing services behind the Magic Leap One.
- Helped migrate several services from AWS to GCP as part of a long-running shift in cloud footprint.
- Built and ran the central HashiCorp Vault deployment, fully provisioned with Terraform, that handled secrets management and access control for AWS, GCP and GitLab, and later the foundation for a similar deployment at GitLab.
- Lead developer on Rocket, an internal CLI tool written in Go that became the standard way SREs ran Terraform operations and day-to-day workflows, cutting toil and reducing human error.
- Maintained a dozen custom Terraform providers and hundreds of Terraform modules underpinning the SRE toolchain.
- Drove the Terraform 0.11 to 0.12 migration across most modules and dozens of projects, unblocking modern Terraform features for the whole organisation.
- Drove cost-optimisation work that cut AWS and GCP spend by roughly a third.
- Covered the APAC shift of a global AMER + EMEA + APAC follow-the-sun on-call rotation.

DevOps Engineer

Catalyst IT

Nov 2015 – Apr 2018

Wellington, New Zealand

DevOps engineer in the eLearning team, delivering, customising and hosting Moodle and Totara LMS sites for schools, universities, corporations and government organisations.

- Built and ran a CI and deployment platform on GoCD and Ansible.
- Operated the Moodle hosting infrastructure on Catalyst Cloud (OpenStack).
- Contributed PHP backend work across customer Moodle sites and Django development on PaCT (Progress and Consistency Tool).

Linux/Unix Systems Engineer / DevOps Engineer

M6 Web (via HR Team)

Nov 2010 – Jul 2015

Lyon, France

Systems engineer in a small on-site team working alongside a remote ops team.

- Designed, built and ran the hosting infrastructure across two datacentres and AWS, totalling 400+ physical and virtual hosts serving 150+ websites and web services.
- Migrated a large SVN monorepo into hundreds of Git repositories, coordinating closely with multiple development teams throughout the split.
- Built a CI platform on Jenkins and Docker, alongside a centralised deployment system using Capistrano, fronted by a custom REST API in Grape and Sidekiq.

Python/Zope/Plone Developer and Linux/Unix System Administrator

Pilot Systems

Sep 2008 – Jul 2010

Hybrid, Lyon and Paris, France

Python developer and Linux sysadmin on a Paris-based team building and running intranet and extranet solutions for several customers.

- Built and shipped Zope and Plone applications.
- Ran and migrated Libération's website (a major French newspaper).
- Modernised the Xen-based hosting infrastructure.

Education

Université Pierre Mendès-France (Grenoble II)

Bachelor's Degree in Computer Science

Sep 2007 – Jun 2008

Courses

- Licence professionnelle "Systèmes Informatiques et Logiciels" (Information Systems and Software)

Université Pierre Mendès-France (Grenoble II)

Associate's Degree in Computer Science

Sep 2005 – Jun 2007

Courses

- DUT Informatique (Higher National Diploma in Technology, Computer Science)

Skills

Observability

Prometheus Thanos Mimir

Grafana Fluentd Datadog

Sentry

Containers

Kubernetes GKE EKS Helm

Docker

Networking

Nginx HAProxy Cloudflare

Istio

Security

OPA HashiCorp Vault

Cloudflare WAF

Config management

Chef Ansible

Programming

Go Python Ruby JavaScript

Jsonnet Bash

GitOps & CI/CD

ArgoCD FluxCD GitLab CI

Atlantis

IaC

Terraform OpenTofu

CloudFormation

Cloud

GCP AWS

OS

Linux (Debian, Ubuntu, Red Hat, Arch, Gentoo)

FreeBSD OpenBSD

Languages

French

Native speaker

Spanish

Basic

English

Fluent

Interests

Guitar

Photography

Hiking

LEGO

Drums

Longboarding

Martial arts