SANJEEB DARSHAN



Senior Platform Engineer | Site Reliability Engineer (SRE)

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PROFESSIONAL SUMMARY

Senior Platform and Site Reliability Engineer with 14+ years of experience designing, building, and operating reliable systems and scalable platforms. Specialized in troubleshooting complex, long-standing production issues, strengthening system resilience, and applying pragmatic architecture that balances technical excellence, maintainability, and operational efficiency. Currently technical lead of an 8-engineer Ops team at Rakuten France, driving infrastructure strategy, large-scale platform migrations, and platform engineering initiatives such as Golden Paths and self-service tooling. Hands-on expertise in Kubernetes, Terraform, Ansible, GCP, Cloudflare, GitOps (Argo CD, Flux), and observability (Prometheus, Grafana, OpenTelemetry). Focused on engineering robust infrastructure, reducing complexity, and delivering sustainable solutions that scale with business needs.

CORE SKILLS

- **Containers & Orchestration:** Kubernetes, Docker, Helm, Helmfile
- **Infrastructure as Code & Configuration Management:** Terraform, Packer, Ansible, SaltStack, Chef, Puppet
- **CI/CD & GitOps:** GitHub Actions, GitLab CI/CD, Jenkins, Argo CD, Flux
- **Cloud & Edge:** Google Cloud Platform (GCP), AWS, Azure, OVHcloud, Cloudflare (CDN, WAF, Bot Management, Rate Limiting), Yandex Cloud
- **Observability & Incident Response:** Prometheus, Alertmanager, Grafana, VictoriaMetrics, OpenTelemetry, ELK Stack (Elasticsearch, Logstash, Kibana), Filebeat, Rsyslog, Datadog, Zabbix, Nagios, Icinga, PagerDuty, On-Call
- **Networking:** Reverse Proxy, Load Balancing, High Availability, Nginx, Apache HTTP Server, Cilium, eBPF
- **Service Discovery, IPAM & DNS:** Consul, NetBox, phpIPAM, PowerDNS, BIND
- **Virtualization & Systems:** Linux, Proxmox VE, KVM, QEMU, VMware, OpenStack
- **Security & Compliance:** HashiCorp Vault, OpenBao, SOPS, nftables, OpenVPN, Infrastructure Security, PCI DSS
- **Messaging & Distributed Systems:** Apache Kafka, RabbitMQ, etcd, Apache ZooKeeper
- **Databases & Data Platforms:** PostgreSQL, MySQL, MongoDB, ClickHouse, Couchbase, Elasticsearch, Apache Ambari, OpenMetadata
- **Programming & Scripting:** Bash, Python, Go templating, YAML, HCL
- **AI-Assisted Engineering:** Claude Code (agents and skills)
- **Methodologies & Collaboration:** Agile (Scrum, Kanban), Jira, Confluence, Notion, LaTeX

PROFESSIONAL EXPERIENCE

Lead Systems Engineer – Build

Rakuten France | France | 01/2024 – Present

Infrastructure department – hybrid cloud and on-premise environment.

- Defined the objectives and technical roadmap of the Ops team (8 engineers), setting infrastructure strategy and priorities.
- ✓ Achieved 3x higher deployment velocity through environment standardization and automated provisioning, which strengthened operational reliability and reduced time spent on troubleshooting.
- ✓ Led the move from VMware to the open-source Proxmox VE, eliminating €72K/year in licensing fees and removing vendor lock-in after Broadcom's licensing changes.
- ✓ Led the integration platform migration to a new private cloud provider, saving €192K/year.
- ✓ Led the migration of configuration management from SaltStack to Ansible and introduced a private Terraform registry, adopting industry-standard open-source tools that widened the talent pool, sped up onboarding, and strengthened Infrastructure as Code (IaC) practices.
- ✓ Consolidated edge services from 3 vendors onto Cloudflare at no additional cost, simplifying operations and strengthening security.
- Designed and configured Cloudflare rate-limiting rules to control and protect web service traffic.
- Co-designed a Golden Path to standardize engineering practices and simplify development and deployment workflows.
- Designed Golden Images to standardize system configurations and ensure consistent, reproducible infrastructure provisioning.
- Designed a unified self-service portal for technical teams, centralizing account creation and access to CI/CD, logging, monitoring, and other engineering platforms.

SysOps Engineer

Rakuten France | France | 02/2021 – 01/2024

Infrastructure department – hydrid cloud and on-premise environment.

- Continuously improved the reliability, performance, and resilience of production infrastructure.
- Designed and optimized reverse proxy and load balancing architectures to ensure high availability of services.
- Implemented zero-downtime deployment strategies for production services.

- Deployed, administered, and maintained Kubernetes clusters, managing application deployments with Helm.
- Supported development teams in migrating containerized applications from Docker to Kubernetes.
- Designed and deployed applications on Google Cloud Platform (GCP).
- Analyzed and optimized network flows to reduce inter-site traffic in the production environment.
- Upgraded and evolved Infrastructure as Code and configuration management tooling (Terraform, SaltStack), integrating automation best practices.
- Advised Release Managers ahead of production releases, assessing technical prerequisites, operational risks, and deployment reliability.
- Partnered with development and operations teams to improve operational practices, automation, and release quality.

Site Reliability Engineer (SRE)

Weborama | Levallois-Perret, France | 12/2017 – 02/2021

Data Management Platform (DMP), R&D department – hybrid cloud and on-premise environment.

- Served as SRE owner of the high-load WCM data collection service, used for advertising campaign measurement across GCP, Yandex Cloud, and on-premise data centers.
- Designed and implemented a columnar storage solution for a high-availability, high-load service.
- Migrated front-end services to Google Cloud Platform, including acceptance tests, deployment automation, and monitoring.
- Migrated stateless daemons to Kubernetes.
- Participated in the on-call rotation, handling incident analysis, diagnosis, and resolution.
- Supported Tech Leads on architecture, Agile ticket writing, and technical documentation.
- As Operations Manager, owned the server management database (SMDB), hardware lifecycle and obsolescence, hardware alerting, maintenance contract renewals, and relationships with partners and brokers.

Network and Systems Engineer (Consultant)

OPEN – on assignment at Weborama | Levallois-Perret, France | 06/2016 – 12/2017

- Worked as an SRE within the Data Management Platform (DMP) team of Weborama's R&D department.
- Designed and implemented changes in a high-load environment, including automation and acceptance tests.
- Overhauled the on-premise infrastructure, including rack redesign and setup of a server management database (SMDB).
- Forecast infrastructure capacity needs and managed hardware obsolescence.
- Supported development teams with deployments, troubleshooting, and monitoring.

Production Engineer

Mobile Devices Ingenierie | Villejuif, France | 11/2013 – 06/2016

- Set up server configuration management, monitoring and alerting, and a status page for cloud platforms.
- Automated the software deployment process and led acceptance testing and integration across platforms.
- Designed a redundant architecture and integrated OpenStack into the platform.
- Managed platform maintenance and evolution: resource analysis and qualification, version change management, and migration procedures.
- Defined, planned, and coordinated the phases of the production process.
- Participated in the on-call rotation, handling incident analysis, diagnosis, and resolution.
- Managed the production budget.

Systems and Network Administrator

Mobile Devices Ingenierie | Villejuif, France | 04/2012 – 11/2013

- Administered Linux and Windows servers and workstations, including installation, configuration, users, access rights, roaming profiles, file shares, printing, and backups.
- Configured network equipment: switches, routers, firewalls, and DNS.
- Set up a caching proxy for Debian packages and a centralized backup solution.
- Led projects and budgets for service migrations and production rollouts, automated workstation installation, and migration of the internet access solution.
- Managed user support through the GLPI ticketing tool, and handled preventive and corrective maintenance.

EDUCATION

Professional Master's Degree (M2) in Network and Systems Engineering (IRS) – with honours

Université de Versailles Saint-Quentin-en-Yvelines | France | 2011

Master's Degree, 1st Year (M1) in Computer Science – with honours

Université de Versailles Saint-Quentin-en-Yvelines | France | 2010

LANGUAGES

- French – Native
- English – Fluent
- Hindi – Conversational
- Punjabi – Conversational
- Spanish – Basic