

**Vincent Gourrierec**

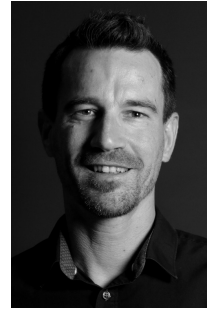
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## Linux Systems Ingeener / SysOps

### Freelance Professional Experience (Missions in progress)

Since January 2019      **Systems Ingeener** *SopraSteria Division Immobilière, Nantes, 1-2 days by week, Full remote*

- Integration services for WEB and mobile add-on modules to the ERP.
- Expertise services in performance and security on the ERP published by the company.
- Studies and recommendations for secure and efficient architectures on heterogeneous infrastructure (IAAS, on Premise, Mixed)
- Various workflow optimizations (Archiving, Printing, deployment).
- Observability architecture deployment (TIK+GL stack) Telegraf / InfluxDB / Kapacitor + Grafana / Loki
- Configuration management via node-red (Node.js)
- Analysis, development and deployment in Centreon of ERP supervision scripts for the internal hosting service.



OPENEDGE | TOMCAT | WINDOWS | TELEGRAF | GRAFANA | SSL | NGINX | INFLUXDB | CENTREON

Since March 2019      **Linx and Web system Ingeener** *POLYLOGIS, Suresnes, 1-2 days by months, Full remote*

- Various infrastructure services:
  - Linux servers, security (SFTP/CHROOT/Best practices, etc.) and optimizations (teaming, firmware, storage settings (LUN/LVM, etc.)
  - Nginx Web Proxy (SSL rules and configuration)
  - Certificates, multi-certificates and domains with redirection to different web servers (Apache, IIS, NGINX)
  - Implementation stack analysis of LINUX server logs via Docker / Grafana / Loki / Promtail (SSH connections / authentication / system update / PTY and TTY commands / system errors...)



LINUX | SSL | SECURITY | LVM | NETWORK | TELEGRAF | GRAFANA | LOKI | NGINX

## Freelance Professional Experience (Missions completed)

July 2024 to September 2024

**SYSOPS Ingeener Datalab**, Paris, 2 days by week, Full remote and a few days on premise

- Infrastructure MCO on different Datacenters (OUTSCALE)
  - Linux servers (Ubuntu)
  - Management and automation of server deployment using ansible and gitlab CI/CD
  - IT monitoring + GPUs via influxDB and Grafana + LOKI
  - user onboarding and offboarding
- IT projects:
  - Stack VLLM creation automation (Models / API / Auth...)
    - Job supervision / GPUS / quotas and batches
  - Automation of the creation of SSL certificates via traefik and security
  - Implementation of Gitlab deployment pipeline to Computes on OUTSCALE
    - Computes
  - Creation of monitoring stack (Telegraf + InfluxDB + Grafana) on premise
    - Application metrics monitoring ( LLM application stack )
    - VMS OUTSCALE metrics monitoring (computes / Redis / PostgreSQL)



DEBIAN | GITLAB | LOKI | OUTSCALE | GLUSTERFS | GRAFANA | INFLUXDB | ANSIBLE | TERRAFORM | GPU

January 2021 to June 2024

**SYSOPS Ingeener Fregat** for **LIGHTON**, Paris, Full remote and a few days on premise

- MCO infrastructure on different Datacenters and clouds (OVH / GCP / AWS / Scaleway)
  - Linux servers (mainly Ubuntu and CentOS)
  - Management and automation of server deployment using ansible and gitlab CI/CD
  - IT supervision + GPUs via influxDB Cloud and Grafana Cloud + Graylog
  - user onboarding and offboarding
- IT projects:
  - automation of Cluster SLURM creation on GCP
    - Build PMIX and singularity
    - Job supervision / GPUS / quotas and batches
  - Nextcloud + Collabora server migration
  - Automation of the creation of SSL certificates via traefik and security
  - CMDB + IPAM implementation
  - Setting up Gitlab deployment pipeline to GCP \*Cloud Run \*Kubernetes
    - Computing
    - Secrets / Cloud SQL / Network / OS Variables...
  - Creation of monitoring stack (Telegraf + InfluxDB + Grafana) on premise
    - Application metrics monitoring (application stack on GCP)
    - GCP metrics monitoring (computes / Kubernetes / Redis / Cloud SQL / Cloud Run...)



DEBIAN | GITLAB | LOKI | GCP | GLUSTERFS | GRAFANA | SLURM | IPA | GKE | INFLUXDB | ANSIBLE | TERRAFORM | GPU

May 2023 to November 2023

**Linux and DevOps Consultant** *Open IT BZH for INNEXA, Vannes, Partial remote (90%)*

- Participation in launch meetings, as technical referent (INFRA / Systems / CI/CD)
- Infra dev security under ProxMox (SSH Proxy / Firewall / Fail2ban / Nginx)
- Containerization and security of Axelor dev stack
- Control and testing of Infra Axelor deployment via Gitlab pipeline



PROXMOX | GITLAB | NGINX | SSH TUNNELS | LINUX

April 2022 to February 2024

**Grafana designer** *Xentara, Munich (Germany), 1-2 days by week, Full remote*

- Industry data analysis (PLC / COBOT)
- Grafana Dashboard design with OEE / Andon needs
- Development of InfluxDB Flux queries
- Management of dashops dashboard multi clients / machine / template and variabilization



INFLUXDB | GRAFANA | INFLUXDB FLUX | DASHOPS | DESIGN

November 2022 to October 2023

**Linux Ingeener** *ASTEK for Vecteur-Plus, Bouguenais, Partial remote (90%)*

- Administration and maintenance in operational conditions of + 50 Linux servers in support of the administrator on site.
- Implementation of LOKI + Grafana log centralization
- GlusterFS Cluster implementation
- Centralized configuration management via ansible
- Improved SSH key security
- Versioning and centralization of administration tools under GIT
- Management of OS versions and upgrades



DEBIAN | GITLAB | LOKI | SSH | GLUSTERFS | GRAFANA | DOCKER SWARM

May 2022 to July 2022

### **Grafana / Loki expert** MICRODON, Paris, Full remote

- Existing supervision analysis on GKE infrastructure (Grafana / Prometheus / Git / Terraform / PostgreSQL)
- Loki deployment on GKE infra
- Development and deployment of specific queries for business statistics (PostgreSQL and export)
- Creation of Grafana dashboard and business alerts on logs (Loki) and metrics (Prometheus)



PROMETHEUS | LOKI | GCP | GRAFANA | GKE | SQL

February 2021 to June 2021

### **Private Cloud System Administration** Exaegis SAS, Tours, Full remote

- Multi-cloud technical architecture inventory (AWS / OVH / OBS)
  - Creation of server configuration extraction and inventory tools \*\*Extracting the network config
  - Extraction of business applications
  - Extraction of security information (SSH keys, sudo updates, reboot...)
  - CSV export of information to be updated daily



DEBIAN | GITLAB | SSH | BASH | AWS | OVH | OBS

June 2019 to July 2020

### **Weblogic to Tomcat Migration project** ASTEK for ADP, Carquefou, Partial remote (50%)

- Analysis and management of the Weblogic applications migration project to Tomcat (technical monitoring)
  - J2EE application server migration to Tomcat (non-J2EE)
  - Migration and deployment of supervision tools, Tomcat administration
  - Monitoring and management of test and performance plans
  - Management of the development of certain functionalities (JMS, JDBC, JTA) and tests
  - Synchronization and communication between different client teams (Devs, CDP, management)



WEBLOGIC | TOMCAT | LINUX | PERFORMANCES | BASH | JAVA

## Professional Experience Employee

October 2018 **Monitoring System Ingeener** *ServicePilot, Pornichet, On premise*

- Deployment of supervision software
- Supervision integration (SNMP/WMI/TOIP/VOIP) \*Linux optimization



LINUX | SNMP | WINDOWS

December 2016 to October 2018 **Systems Engineer Team Manager** *Sopra Steria, Nantes, Partial remote (50%)*

- Management of a team of systems engineers and management of systems projects
- Deployment of international projects
- Integration into DevOps team and main responsibility for subjects:
  - Supervision (Centreon)
  - Documentation (Confluence) with automation and templates
  - Automation of deployment tools (Jenkins / Ant)
- ERP deployment (real estate and finance)



CENTREON | DEVOPS | DOCKER | ORACLE | API | MANAGEMENT

November 2010 to November 2016 **Systems Ingeener** *CassiopaeRE, Nantes, Partial remote (25%)*

- Systems project management, study, analysis of the deployment of our solutions and documentation.
- Installation of products published by the company (Tomcat, Weblogic, Java, Oracle and Progress technologies).
- Migration of servers and databases (mainly to Red Hat, Windows 2008 and server virtualization via VmWare).
- Study and implementation of performance and load scaling tools (Neoload) for Tomcat / Weblogic / Oracle ADF / WebServices application servers.
- Implementation of supervision tool (Centreon / Nagios)
- Technical documentation and documentation platform administration (Mediawiki / Confluence / Sphinx)



TOMCAT | OPENEDGE | ORACLE | WEBLOGIC | API | CENTREON | CONFLUENCE

March 2010 to November 2010 **UNIX Systems Ingeener** *Sigma, Nantes, Partial remote (20%)*

- Administration/Operation of Unix and Linux systems,
- Administration/Operation of Oracle, Progress and PostgreSQL databases.
- Implementation of Nagios supervision scripts.
- Progress Sonic platform administration and optimization (ESB Flow)



UNIX | LINUX | SONIC ESB | NAGIOS | ORACLE

December 2006 to March 2010      **Systems Ingeener** *Snedra, Nantes, Partial remote (25%)*

- Preparation, installation and monitoring of IT technical installations for the assigned customer base.
- Installation of products published by the company in client-server or third-party mode (apache, tomcat, Java, Oracle and Progress).
- Migration of servers and databases (AIX, Red Hat, Windows 2003, Oracle 10G and OpenEdge 10, Citrix, etc.).
- System and network audit and advice for customer base, implementation of supervision and management tools (OCSInventory/GLPI, Nagios/Centreon).



TOMCAT | OPENEDGE | ORACLE | WINDOWS | CITRIX | CENTREON | GLPI

February 2004 to December 2006      **Technical Installer** *Reynold's and Reynold's, Saint Nazaire, On premise*

- Monitoring, preparation and production of a project to secure communications between the manufacturer and its dealer network (IPTables and VPN).
- Level II Technical Support on Aix, Red Hat and the network, level II Progress OpenEdge.
- Testing, compliance, documentation of the software under Red Hat 8.0 then under Red Hat ES 3 and production.
- Design, installation and monitoring of multi-site network projects with France Télécom and Cegetel.
- Training of technicians in AIX and Linux systems, and in the management of computer equipment.



AIX | OPENEDGE | RED HAT | WINDOWS | CISCO | VPN | IPTABLES

April 2003 to February 2004      **Maintenance Technician** *DCS Automotive, Saint Nazaire, On premise*

- Support for technical calls, level I and II support, on Windows, Aix and Linux
- Administration of the internal IT equipment (50 stations, 10 servers).



AIX | OPENEDGE | RED HAT | UNIX SCO | CISCO

March 2003 to April 2003      **Internship** *DCS Automotive, Saint Nazaire, On premise*

- End of Micro and Web Technician training course



AIX | OPENEDGE | CISCO

## Education and training

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February 2023	<b>Intermediate Flux and other skills. InfluxData, Online.</b> <a href="https://www.credly.com/badges/e9b368ac-c02c-41f1-b6be-41debba33728/public_url">https://www.credly.com/badges/e9b368ac-c02c-41f1-b6be-41debba33728/public_url</a> <a href="https://www.credly.com/users/vincent-gourrierc/badges">https://www.credly.com/users/vincent-gourrierc/badges</a>
December 2022	<b>DevOps Foundation Certification. DevOps Institute, Online</b> <a href="https://devopsinstitute.com/certifications/devops-foundation/">https://devopsinstitute.com/certifications/devops-foundation/</a>
February 2016	<b>Formation Administration Oracle 12G. Nantes</b>
September 2015	<b>Formation Administration Tomcat 8. Nantes</b>
January 2015	<b>Formation Administration Weblogic 10GR2. Nantes</b>
January 2012	<b>Certification Windows 2008 (MCITP et MCTS).AIS, Nantes</b>
September 2011	<b>Configuration Active Directory sous Windows 2008.AIS, Nantes</b>
May 2011	<b>Configuration et dépannage Infrastructure réseau Windows 2008.AIS, Nantes</b>
June 2008	<b>Formation à la gestion de projet.ORSYS, Nantes</b>
May 2007	<b>Formation administration Oracle 10g.Nantes</b>
April 2007	<b>Formation Citrix Presentation Server 4.Nantes</b>
April 2004	<b>Formation Linux Red Hat.Nantes</b>
December 2003	<b>Formation IBM Aix 5.2. IBM, Paris</b>
October 2002 à Avril 2003	<b>Formation Technicien Micro et Web. ENI, Nantes</b> Logiciels: Office, Dreamweaver, Flash, Photoshop Langages: Visual Basic, SQL, Html, JavaScript
June 1998	<b>Baccalauréat Série ES. Lycée Aristide Briand, Saint Nazaire</b> Option Anglais

## Technical Skills

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<b>Linux</b>	<p>Very good knowledge of Red Hat Linux (4 to 8), CentOS, Debian 9 to 11 and Ubuntu environments.</p> <ul style="list-style-type: none"><li>• Installation, maintenance, security and optimization of systems.</li><li>• Network and automated installation of systems (kickstart, bootp)</li></ul>
<b>UNIX</b>	<p>Very good knowledge of Aix 4.3 to 7.1 environments.</p> <ul style="list-style-type: none"><li>• Installation, maintenance and optimization of systems</li></ul>
<b>Windows</b>	<p>Very good knowledge of Windows 2008, 2012 and 2016.</p> <ul style="list-style-type: none"><li>• Administration, maintenance and upgrade of systems</li><li>• Active Directory administration, DNS</li></ul>
<b>Virtualization</b>	<ul style="list-style-type: none"><li>• Very good knowledge of VMware VSphere 4 to 6.</li><li>• Very good knowledge of Docker, Docker Swarm, ProxMox.</li><li>• Knowledge of Kubernetes and GKE (Google Kubernetes Engine)</li></ul>
<b>Cloud Providers</b>	<p>Very good knowledge of GCP and OVH. Good knowledge of AWS and Scaleway.</p>
<b>Iptables</b>	<p>Very good knowledge of Iptables Firewall rules, as well as connection logging (ULOGD).</p>
<b>SSH</b>	<p>Very good knowledge of SSH, key management and centralized configuration in IPA.</p>
<b>SSL</b>	<p>Good knowledge of certificates, encryption, conversion and management.</p>
<b>Network</b>	<ul style="list-style-type: none"><li>• Very good knowledge of TCP/IP protocols, network traffic analysis and supervision.</li><li>• Good knowledge of Cisco routers and switches, configuration and security.</li><li>• Good knowledge of VPNs and inter-site or nomadic connections, OpenVpn, wireguard.</li></ul>
<b>Databases</b>	<ul style="list-style-type: none"><li>• Progress OpenEdge V9, V10 and V11 database administrator.</li><li>• Oracle 10G, 11G and 12G database administrator.</li><li>• Knowledge of MySQL and PostgreSQL databases.</li><li>• InfluxDB Administrator (TSDB)</li></ul>
<b>Languages</b>	<ul style="list-style-type: none"><li>• Very good knowledge of shell scripts (ksh, bash) and Batch Windows.</li><li>• Good knowledge of the HTML language, creation of server administration interfaces in PHP, good knowledge of PHP and SQL.</li><li>• Very good knowledge of Ant (automated deployment development language).</li><li>• Very good knowledge of YAML for Ansible / Docker / Terraform</li><li>• Very good knowledge of JSON for API management, Infra administration, supervision.</li><li>• InfluxDB Flux for Grafana dashboard and Time Series data analysis (TSDB)</li></ul>



**Other skills**

- Good knowledge of VDI and home automation.
- Good editorial quality of technical documentation and systems technical maintenance processes (recovery plans, manufacturer certifications, etc.).
- Very good knowledge of Open Source collaboration and documentation tools (Mediawiki, Publican, DocBook, Xwiki, AsciiDoc, AsciiDoctor and Hugo)
- Grafana Dashboard Designer (queries, UI and automation)
- Very good knowledge of GIT (GitLab / GitHub) and CI/CD pipelines and scheduling.

## Languages

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**English:** C1 Level

**Spanish:** B1 Level

**French:** Native language