Gildas **Le Nadan**

Cloud, CI/CD, Automation

✉ gildas@lenadan.name
📞 0449 594 021
⌘ Noosa, QLD, AU

Age 52
French National
Australian Citizen

Additional Skills

✧ Project management

Lean, Kanban, Agile, Devops
Writing RfP, SoW, and specifications
Managing implementation
Meeting deadlines

✧ Team management

Mentoring and coaching
Managing a technical team in a
project-oriented fashion

✧ Public speaking

✧ Writing documentation

Languages

Native French
Fluent English (IELTS score 8)

Misc

Co-organiser of 6 of the first
devopsdays conferences as a
member of the core team

Regular participation to Open Source
projects (patches, translations)

Taught Agile to CS students (equiv.
level AQF Advanced Diploma)

Overview

A Systems Engineer by trade, with an eye for the bigger picture, I have
worked for over 20 years in a breadth of environments, from
academy, banking and insurance, to SMEs and startups.

Over that period, I have designed, implemented, and maintained
productions systems of all sizes, with various levels of cost, efficiency,
scalability, throughput, availability and regulatory constraints.

An autonomous, and self-motivated individual, I am both experienced
at working as a distributed team member, and as a remote worker.

Technical Skills

- Cloud architecture (AWS, GCP)
- Continuous Integration, Delivery and Deployment
- Disaster Recovery, Business Continuity
- Infrastructure as Code and Configuration Management
- Large scale and Highly-Available systems
- Monitoring, benchmarking and tuning
- Open-source
- Systems & network security and integrity
- Infrastructure services, Layer 2 and 3 networking
- Scripting & programming (shell, Python, PHP, Ruby, Go, Perl, C)

Education

1998 Université de Jussieu - Paris VI, France
DESS Ingénierie des Systèmes d'information, mention Assez Bien
Equiv. Master of Science in Information Technologies Engineering,
pass with merit

1997 Université d'Orsay - Paris XI, France
*Maitrise d'Ecologie, mention Assez Bien, and Certificat d'Informatique
Appliquée, mention Bien*
Equiv. Bachelor of Science in Ecology, pass with merit, and Applied
IT, pass with distinction

Certifications

- AWS Certified Solutions Architect Professional (2020)
- ITIL Foundation for IT service Management (2005)
- Building Cisco Multilayer Switched Networks (2004)

Professional Experience

Nov 2020–present *Principal Systems Engineer (remote position)* | Atlassian Pty Ltd, Sydney, AU

Infrastructure backup/restore SME in a multi-cloud, highly regulated context. Designing and maintaining solutions meeting stringent cost and performance requirements across millions of data stores, representing high tens of billions of objects and high tens of Petabytes of data.

Key Achievements
- Core contributor to Atlassian RPO/RTO policies and standard, participating in assessing the company's BC/DR maturity against customer needs and competition;
- Lead analysis and solution design for immutable backup uplift for Atlassian data stores (DynamoDB, RDS and S3); Participated in implementation and operation of the platform;
- Lead analysis and solution design for GCP backup solution.

Technologies
AWS, GCP, Clumio, Docker, Cloudformation, Terraform, Bitbucket pipeline, Python, Kotlin

Jul 2019–Nov 2020 *Innovation Engineer* | atmail Pty Ltd, Peregian Beach, AU

Innovation engineer within a company providing white label email hosting for telcos and service providers.

Key Achievements
- Identified solution architecture short-comings, and provided recommendations to provide High-Availability, manageability and scalability beyond tens of millions of users;
- Deployed CI/CD over the entire company codebase, automated RPM generation and publication.

Technologies
Linux Centos, AWS, Ansible, Docker, Serverspec, Packer, Vagrant, Cloudformation, Bitbucket pipeline, Python, Golang

Sep 2015 – Jun 2020 *Independent Consultant* | Endemic Systems Pty Ltd, AU

Contracts for several Australian customers, including Dolby Labs and IAG.

Key Achievements
- As the technical lead of a team of up to 7 FTE, designed and implemented a greenfield AWS solution allowing IAG to manipulate and store PII, while respecting regulatory requirements. Worked closely with Data Management, Risk, Governance, and Security to ensure the delivered solution would meet expectations;
- Conceived and delivered a CI/CD pipeline to manage database schema changes for a data lake with tens of thousands of tables, using Docker and Flyway.

Technologies
AWS, GCP, Serverless framework, Docker, Terraform, Cloudformation, Gitlab, Concourse CI, Jenkins, Swagger, Python, Golang, NodeJS, Awspec, Serverspec

Mar 2014 – Jul 2015 *Systems Engineer* | Freelancer.com, Sydney, AU

In a distributed systems engineering team managing the freelancer.com and warriorforum.com websites, representing more than 700 VMs on AWS and 15 million users.

Key Achievement
Designed, build and operated a PCI-DSS compliant platform on AWS. Instrumental in obtaining certification.

Technologies
Linux Ubuntu, Puppet, Vagrant, AWS, OSSEC, CIS hardening

Nov 2012 – Mar 2014 *Senior Systems Engineer* | Atlassian, Sydney, AU

Infrastructure engineer within the Build Engineering team, work on the build platform (500+VMs).

Key Achievements
- Improved the provisioning and administration of the team core infrastructure, reducing the team's infrastructure technical debt, while migrating datacentre;
- Scaled the artifacts repository infrastructure, core to Atlassian development workflow, and greatly reduced its Mean Time To Recovery (MTTR).

Technologies
Linux Ubuntu, Bamboo, AWS, VMware ESX, Puppet, Vagrant, Packer, Cucumber, Docker, Mcollective, Nexus

2010 – 2012 *Independent Consultant* | Endemic Systems EURL, Lille, FR

Contracts for several customers based in the North of France, including: a small Credit Consolidation Bank (Creatis), and a major French retail group (Adeo).

Key Achievements
- In charge of the technical side of the checking accounts migration of Creatis during the merger to Credit Mutuel solution;
- Wrote test scenarios to test the next version of Leroy Merlin France web site (major DIY brand in France). and build a load-testing platform for more than 30 000 simultaneous users.

Technologies
Linux RedHat, VMware ESX, Windows, PHP, SAML, Juniper SSL, Tsung, Mysql, Postgresql, J2EE, Apache HTTPD , Tomcat, Jboss, Terracotta

Mar 2008 – Sep 2008 *IT Operations Manager* | Punch Telematix, Wervik, BE

In charge of the team responsible for the 24/7 operation of the SaaS telematics services.

Key Achievement
Wrote recommendations for the technical side of a DR/BC plan.

Technologies
Linux Suse, Puppet, Apache HTTPD, Mysql, J2EE, Jboss, SAN storage

Aug 2007 – Feb 2008 *Senior Support Analyst* | CSR, Cambridge, UK

Member of a 5-persons team managing the company's UNIX platforms.

Key Achievements
- In charge of the IT part of an office move for the French branch;
- Organised and supervised a full shut-down of all servers in the main UK datacentre.

Technologies
Linux Red Hat, VMware, HPUX, Mysql, Perl, Cfengine, Citrix, NX, SAN

May 2006 – May 2007 *Principal Systems Administrator* | Wellcome Trust Sanger Institute, UK

Member of a 5-persons team in charge of a 1500-core Linux HPC cluster, and several High-Availability Linux clusters.

Key Achievement
Established an excellent working relationship with the open-source Linux HA community, allowing us to fix a critical bug with a 4-hour turn-over.

Technologies
Linux Debian, Mysql, Shell, Perl, PHP, C, Cfengine, SAN

May 2004 – Dec 2005 *Systems and network engineer* | Institut National d'Histoire de l'Art, Paris, FR

Managing the systems and network infrastructure for the institute and on-site institutions.

Key Achievement
Managed several technical projects beginning-to-end: established requirements, wrote Request for Proposal, selected and oversaw suppliers/sub-contractors.

Technologies
Linux Debian & Red Hat, Apache HTTPD, Mysql, Shell, PHP, Perl, Cisco

May 2001 – May 2004 *IT production project leader* | CVF/Orange Business Service, Paris, FR

Two-fold role as both a Systems and Network architect, and an Operations project leader in charge of dedicated platforms for strategic customers (Orange, France Telecom and UGC cinemas).

Key Achievements
- Ensured the timely delivery of the infrastructure for two major platforms for Orange and France Telecom;
- Major role in the state-of-the art redesign of the hosting infrastructure to provide stability, security, flexibility and scalability.

Technologies
Linux Debian, Apache HTTPD, Mysql, Shell, Perl, PHP, J2EE, Tomcat

Dec 1998 – Jul 2000 *IT consultancy* | Datavance, Paris, FR

Several major projects for the financial market.

Key Achievement
Ensured security, integrity, and availability (via both redundancy and DRP procedures) of the Clearing 21 architecture for Caisse des Dépots et Consignation (french state bank); Wrote extensive documentation aimed at the Operations team: installation guide, operations manuals, failure determination charts, and network flows.

Technologies
Windows NT4, AIX, MVS, Sybase, Perl win32, Networker, Windows Terminal Services, MS SMS