

Julien MAILLERET

Site Reliability Engineer at Talend

Corporate Experience

Since 2017 **Site Reliability Engineer at *Talend*** (Nantes, France)

Devops owner for two development teams (Data Stewardship & Data Catalog)

Automate applications stacks build and deployment. Integrate microservices with Talend Cloud platform. Apply infrastructure design patterns to match Talend production criteria (twelve-factor app, microservices, multi-tenant, multi-region, security compliance...). Define cloud-related optimizations to improve reliability and performance. Share devops and cloud best practices with developers. Build Talend Kubernetes platform using Kubespray, Ansible & Terraform

Environment:

Cloud (AWS, Docker, Kubernetes), Infrastructure As Code (Terraform, Ansible, Puppet, Cloudformation), Scripting (Python, Bash), Databases & Middlewares (PostgreSQL, MongoDB, ElasticSearch, Redis, Kafka), CI/CD (Jenkins, Maven), Microservices (Java), Observability (ELK, Prometheus, Zipkin), Scrum methodology

2015-2017 **Lead Devops at *Weekendesk*** (Paris, France)

Lead the production team. Manage the infrastructure evolutions. Automate the build and deployment process. Optimize infrastructure, applications and databases performances. Define management process (change/incidents/duty management). Work with development teams & QA team.

Environment:

Cloud (AWS, Docker), Web (Apache, Tomcat, HAproxy), Provisioning (Ansible, Packer, Terraform), Databases & Middlewares (PostgreSQL, MongoDB, ElasticSearch, RabbitMQ), CI (Jenkins, Maven), Java, Python, Scrum methodology

Key Contributions:

- *Migrated Weekendesk servers infrastructure from on-prems hosted servers to AWS cloud*
- *Improved Weekendesk infrastructure to handle TV campaign traffic spikes (load testing, applications tuning, autoscaling and API caching using CDN)*
- *Developed a customized deployment tool using Python*
- *Internalized infrastructure hosting management and set up 24/7 on call duty process with developers on call*
- *Deployed Kubernetes POC cluster on AWS using KOPS*

2013-2015 **Middleware Engineer at *AXA Technology Services*** (Paris, France)

Worked for **AXA Banque**

Managed Unix servers evolutions (150 Linux, 50 AIX), Tomcat/WebSphere applications installation & day-to-day administration. Improved monitoring, backup and deployment of servers and application. Contributed to production incidents resolution and 24/7 on call support. Lead for technical projects (<40 man days)

Environment:

Unix (AIX, Red Hat Linux), WebSphere Middlewares (WAS, ESB, WMQ), Web (Apache, Tomcat), NoSQL (MongoDB), ITIL & Lean methodologies

Key Contributions:

- *Implemented AXA Banque Soon infrastructure (Tomcat, MongoDB, MySQL, Chef & Git)*

- *Migrated AXA Banque WebSphereMQ platform (upgrade version, architecture consolidation & HA)*

2008-2013 **Unix System Engineer at AXA Technology Services** (Paris, France)

Worked for AXA Assistance, AXA Banque & Direct Assurance

In charge of Unix servers (120 Linux, 60 AIX) and SAN systems evolutions. Automated day-to-day administration tasks. Managed troubleshooting and performances tuning, production incidents resolution, installation and day-to-day administration tasks for Unix servers and applications. Contributed to 24/7 on call support. Lead for technical projects (<40 man days)

Environment:

Unix (AIX, Red Hat Linux), SAN IBM, WebSphere WAS, Centreon, TSM, ITIL

Key Contributions:

- *Implemented servers administration tools and process to scale servers infrastructure up to 180 servers: installation management, users management, applications deployment (Apache, Tomcat, WebSphere)*
- *Implemented monitoring (Centreon), backup (TSM) and patching (RHN) solutions*

2007-2008 **System Administrator Apprentice at AXA Technology Services** (Paris, France)

Worked for AXA Banque

Managed Unix servers (AIX, Solaris & Red Hat). Involved in AXA Banque applications day-to-day administration. Participated to AXA Banque website migration (insourcing hosting infrastructure and CMS version migration)

2004-2007 **Network & System Administrator Apprentice at AXA Banque** (Paris, France)

Managed Unix servers (AIX, Solaris), Network (Cisco) & Firewall (Checkpoint). Involved in AXA Banque applications day-to-day administration. Participated to AXA Banque Extranets & Firewall consolidations project

Education

2007-2008 **M2IRT Master 2** Information System Management at *ITIN-ESCIA* (Cergy, France)

2005-2007 **M2IRT Master 1** Systems & Applications Administration at *ITIN-ESCIA* (Cergy, France)

2003-2005 **BTS IT Management** Network Administration at *ISIMI* (Paris, France)

Skills

Cloud Computing & Containers: AWS^{***}, Docker^{***}, ECS^{**}, Kubernetes^{**}

Infrastructure As Code: Ansible^{***}, Terraform^{***}, Packer^{**}, CloudFormation^{**}, Puppet^{*}

UNIX Administration: Linux^{***}, AIX^{**}

CI/CD & Testing: Jenkins^{***}, Maven^{*}, Git^{**}, Gatling^{**}

Observability: ELK^{*}, Prometheus^{*}, Zipkin^{*}, Zabbix^{**}, Centreon^{**}

Scripting: Bash^{***}, Python^{**}

Web & App Servers: Apache^{***}, Tomcat^{***}, Nginx^{***}, HAproxy^{***}

Databases & Middlewares: PostgreSQL^{**}, MongoDB^{***}, MySQL^{*}, Elasticsearch^{*}, Redis^{*}, Kafka^{*}

Architecture: Load Balancing^{***}, CDN^{*}, SSL^{**}, DNS^{***}, AutoScaling Groups^{**}

English: Oxford Test B2 Intermediate (2016)

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