Julien MAILLERET

Site Reliability Engineer at Elastic

Corporate Experience

Since 2019   **Sr. Site Reliability Engineer** *at Elastic* (Nantes, France)

Maintainer of Elastic public Helm charts and Ansible roles. Automates Elastic releases using Gradle DSL and Tekton Pipelines. Build images for CI workers using Packer and Ansible. Contribute to CI and infrastructure operations.

Environment:

Cloud (GCP, AWS), K8S (GKE, Helm), Infrastructure As Code (Terraform, Packer, Ansible), Scripting (Python, Groovy, Bash), Elastic Stack (ElasticSearch, Logstash, Kibana, Beats, APM), CI/CD (Jenkins, Tekton Pipelines), Secret Management (Hashicorp Vault)

2017-2019   **Site Reliability Engineer** *at Talend* (Nantes, France)

Manage Talend Cloud infrastructure. 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.

Environment:

Cloud (AWS, Azure, 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

Key Contributions:

- *Deployed Talend Data Stewardship and Talend Data Catalog to Talend Cloud*
- *Built Talend Kubernetes platform using Kubespray, Ansible & Terraform then AWS EKS*
- *Contributed to Talend Cloud on Azure infrastructure setup*

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***, GCP**, Azure*, Kubernetes***, Helm**, Docker***, ECS**

Infrastructure As Code: Ansible***, Terraform***, Packer**, CloudFormation**

UNIX Administration: Linux***, AIX**

CI/CD & Testing: Jenkins***, Tekton**, Gradle*, Maven*, Git**, Gatling**

Observability: Elastic Stack**, Prometheus*, Zipkin*, Zabbix**, Centreon**

Scripting: Bash***, Python**; Groovy*

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)