

Clément Thuault

SITE RELIABILITY ENGINEER · SOFTWARE ENGINEER

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Summary

Site Reliability and Software Engineer, currently looking for opportunities and willing to relocate in ANZ (Australia / New Zealand).

Specialized in Back-end and infrastructure/reliability through the DevOps culture, but eager to learn anything.

Loves large scale architecture design, discovering how things work, all while shipping meaningful features frequently.

Always interested in learning new languages, technologies and tools, in solving challenging tasks or problems, but also helping, teaching, and mentoring others.

Work Experience

LIFEN - Healthdata PaaS

Paris, France

SOFTWARE ENGINEER - INFRASTRUCTURE TOOLING SQUAD

Oct. 2021 - Sep. 2022 (11 months)

- Maintained multiple tooling applications and built new features in several languages (Typescript, Ruby on Rails, Ruby, Python, Shell) in the interest of bettering our DX and interface with the Infrastructure team.
- Designed a new API service built in Golang with clean architecture to interact between all parts of our system to remove our legacy, improve discoverability, correctness, self-service and overall automation for our developers.

LIFEN - Healthdata PaaS

Paris, France

SITE RELIABILITY ENGINEER - INFRASTRUCTURE TEAM

Oct. 2018 - Sep. 2022 (3 years 11 months)

- Zero-downtime migration of our platform maintained on OVH (vSphere/docker-compose) to multiple cloud providers (AWS/Azure) using Kubernetes.
- Setup and maintained IaC (mainly on AWS with EKS, R53, SNS/SQS, RDS, S3, VPCs...) for our Kubernetes-centric platform with Terraform, Ansible and Helm.
- Participated in multiple strategic projects to help our product grow (features, scaling, rationalization, compliance).
- Worked with developers and helped use good practices across all our workloads on monitoring, security, and overall architecture and design.
- Helped drive the Infrastructure team to handle blameless post-mortems, improve cross-team communication, prioritize our tasks and industrialize our services.

WINAMAX - Online Poker & Sports betting

Paris, France

SOFTWARE ENGINEER - CORE SERVICES TEAM

Jan. 2017 - Jun. 2018 (1 year 1 month)

- Built a new team infrastructure on AWS, whose role is to provide internal facing services running on Docker with scaling and high-availability constraints in mind.
- Developed several microservices in Python for online gambling regulations and their integration with existing teams.
- Worked on the build system, deployment, logging, monitoring, metrics, alerting, and overall automation of the system, using several tools of the AWS stack (EC2, ECS, S3), and others such as Consul or Ansible.

WINAMAX - Online Poker & Sports betting

Paris, France

SOFTWARE ENGINEER - POKER BACK-END TEAM

Feb. 2016 - Jan. 2017 (1 year 1 month)

- Worked on integrating Apache Kafka as a replacement for OpenAMQ brokers used between back-end services.
- Reworked several C++ services to increase reliability and performance using Kafka to reduce message loss.
- Maintained and worked on several improvements and bugfixes on the existing services.

EPITA

Paris, France

SYSTEM ADMINISTRATOR - TEACHING ASSISTANTS' LABORATORY

Jan. 2015 - Feb. 2016 (1 year 1 month)

- Worked on the security, scalability and maintenance of the existing infrastructure.
- Provided high-availability services to 300 students and 30 teaching assistants.

EPITA

Paris, France

TEACHING ASSISTANT IN COMPUTER SCIENCE

Jan. 2015 - Jan. 2016 (1 year)

- Taught UNIX, shell, C, C++, Java, SQL and several design patterns to 300 students.
- Prepared, presented and corrected several projects, lessons and exams.

STELIA Aerospace - AIRBUS Group

Saint-Nazaire, France

.NET SOFTWARE DEVELOPER INTERN

Aug. 2014 - Jan. 2015 (6 months)

- Helped provide useful tools while rewriting several programs from VB.NET to C#, in order to facilitate the SI migration from Windows XP to Windows 7 in a safety critical environment.
- Developed several applications and tools for production planning, reporting and rewrote an entire legacy application in ASP.NET MVC.

.NET SOFTWARE DEVELOPER INTERN

Jun. 2013, Aug. 2013 (3 months)

- Worked at the Megajoule Laser Command Control Level 1.
- Developed C# DLLs for XML/HDF5 data acquisition handling from one of the many Megajoule Laser power units.
- Implemented an equipment simulator GUI (WPF) with web services integration (WCF)

Education

EPITA (École Pour l'Informatique et les Techniques Avancées)

Paris, France

MASTER IN COMPUTER SCIENCE AND ENGINEERING - GISTRE SPECIALIZATION

Sept. 2011 - Aug. 2016

- Studied Computer Science with a focus on embedded and real-time systems during the last year.

GCD (Griffith College Dublin)

Dublin, Ireland

EXCHANGE

January. 2013 - Aug. 2013

- Studied Computer Science as part of a student exchange program during 6 months.

Skills

Programming	Python, Go, C, Shell, C++, C#, Ruby, Javascript, Java, SQL, LaTeX
Technologies	Kubernetes, AWS, Terragrunt, Docker, Kafka, Ansible, Azure, Flask, Consul, Cassandra
Interested in	Mastering Golang, Large scale systems design/architecture, DX and automation
Languages	French (Native), English (Fluent)