Clément **Thuault**

SITE RELIABILITY ENGINEER · SOFTWARE ENGINEER

67 rue Étienne Dolet, 92240 Malakoff, France

✉ thuaultc@gmail.com | 🏠 thuault.com | 🔾 thuaultc | 🔗 clementthuault

Summary

Passionate Software Engineer, currently specializing in Back-end/Infrastructure through the DevOps culture. Always interested in learning new languages, technologies and tools, and in solving challenging tasks or problems.

Work Experience

WINAMAX
Paris, France

SOFTWARE ENGINEER - CORE SERVICES TEAM
Jan. 2017 - Jun. 2018

- 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
Paris, France

SOFTWARE ENGINEER - POKER BACK-END TEAM
Feb. 2016 - Jan. 2017

- 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 - ASSISTANTS' LABORATORY
Jan. 2015 - Feb. 2016

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

EPITA
Paris, France

TEACHING ASSISTANT IN COMPUTER SCIENCE
Jan. 2015 - Jan. 2016

- 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

- 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.

THALES Electron Devices - THALES Group
Vélizy-Villacoublay, France

.NET SOFTWARE DEVELOPER INTERN
Jun. 2013, Aug. 2013

- 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

DIPLOMA 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, C, C++, Shell**, Go, C#, Java, SQL, LaTeX
Technologies	**Docker, AWS, Kafka, Kubernetes, Ansible**, Flask, Consul, Cassandra
Languages	**French (Native), English (Fluent)**