

# CLÉMENT GARRO

## Application for a nine-week software engineering internship

### SUMMARY

• <b>Programming language :</b>	Java / J2EE HTML, CSS, JS ,TS, PHP	PostgreSQL Python	C / C++ MariaDB
• <b>Framework :</b>	React Symfony / Twig	Next PrimesFaces	Vite Angular
• <b>Others :</b>	Agile developement Unix	SCRUM Packet Tracer	Git Pentesting
	Docker		Kubernetes

### PROFESSIONAL EXPERIENCES

#### SOFTWARE ENGINEER APPRENTICESHIP AT C.I.N.E.S

##### Montpellier, France, 09/2025 - Current

- Contributing to the ongoing development of ESGBU, a national data-management web application used by the French Ministry of Higher Education.
- Working on both backend (Symfony, MySQL, Mercure) and frontend (Angular) components to improve features, maintain the codebase, and support upcoming version upgrades.
- Collaborating with an apprentice to modernize the project's technical stack (Angular 14→20, Symfony 5.4→6/7, MariaDB, Elasticsearch, Mercure).
- Participating in debugging, dependency updates, environment installations, and enhancements of communication flows between the API and Elasticsearch.
- Supporting deployments across development, pre-production, and production environments, following existing CI/CD and DevOps practices.

#### SOFTWARE DEVELOPER APPRENTICESHIP AT C.I.N.E.S

##### Montpellier, France, 09/2024 - 08/2025

- Contributed to the development and optimization of the FACILE web application and its Kubernetes cluster, improving scalability and availability.
- Enhanced core features (PDF validation, correction, printing) and integrated them with the CINES format validator and DROID.
- Performed full-stack development using JEE, PrimeFaces, JSF, Maven, Tomcat, and applied security best practices (Docker hardening, CVE fixes, Ingress configuration).
- Assisted with configuration management, CI/CD workflows, and automated cluster deployments.
- Gained experience in project methodology, version control, testing, and quality assurance.

#### SOFTWARE DEVELOPER INTERSHIP AT C.I.N.E.S

##### Montpellier, France, 06/2024 - 09/2024

- Contributed to the modernization and migration of FACILE, a digital archiving platform at CINES, upgrading the system to Java 11 and updating server configurations (Tomcat, Ghostscript).
- Enhanced the web interface and user experience, including PDF correction pages, dashboards, and ticketing system improvements.
- Applied full-stack development skills, including front-end (PrimeFaces, AJAX, HTML/CSS) and back-end (Java, Maven, REST API) technologies.
- Implemented technical and functional specifications, ensured performance, security, and maintainability, and start to contributed to the deployment on a Kubernetes cluster.
- Gained experience in project management practices: version control, backlog management, and collaborative development.

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**EDUCATION****IMT MINES ALÈS****Alès, France, 2025 - 2028**

Engineering Master's Degree

Currently in a 3-year engineering program completed after a Bachelor of Technology (BUT). Equivalent to a Master's-level engineering degree (EQF Level 7), with a specialization in software development.

**IUT MONTPELLIER - SÈTE****Montpellier, France, 2022 - 2025**

French computer science "BUT"

Equivalent to a 3-year technical and professional bachelor's degree focused on software development, systems, and IT engineering.

**THOMAS EDISON HIGH SCHOOL****Montpellier, France, 2019 - 2022**

French Baccalaureate (STI2D)

Equivalent to a high-school diploma with a focus on engineering, technology, and industrial sciences.

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**LANGUAGES**

English: B2 level - TOEIC 870

French: Native language

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**PERSONAL  
QUALITIES**

- Team-oriented
- Dynamic
- Independent
- Self-motivated
- Goal-driven

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**HOBBIES AND  
INTEREST**

- Sport
- Music
- Video games
- Sciences
- Cooking