

CLÉMENT GARRO

Application for a nine-week software engineering internship

SUMMARY

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

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.
LANGUAGES	English: B2 level - TOEIC 870
	French: Native language
PERSONAL QUALITIES	
	<ul style="list-style-type: none">• Team-oriented• Dynamic• Independent• Self-motivated• Goal-driven
HOBBIES AND INTEREST	
	<ul style="list-style-type: none">• Sport• Music• Video games• Sciences• Cooking