

ADAM AL JOUAID

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EDUCATION

University of Grenoble Alpes - IM2AG
Master's in Software Engineering

Grenoble, France
Sep 2024 – Present

University of Grenoble Alpes - IM2AG
Bachelor's in Computer Science

Grenoble, France
Sep 2021 – June 2024

WORK EXPERIENCE

AI Software Engineer (Apprenticeship), CGI

Grenoble, France | May 2025 – Present

- Designed and delivered **SESCA**, an enterprise LLM platform for specification analysis, transforming unstructured documentation into a **structured, queryable knowledge layer** (epics, features, business rules, test cases) enabling automated functional test generation from PoC to pilot deployment
- Defined and implemented a **scoped MCP architecture** leveraging this structured knowledge layer, enabling contextual querying and controlled modification of generated artifacts within feature- and rule-level boundaries
- Built **application-scoped conversational systems over structured specification knowledge bases**, handling large-scale datasets (hundreds of documents, thousands of features), using direct database retrieval to ensure accuracy and strict data isolation
- Developed a **comprehensive evaluation framework** combining LLM-based assessment and human validation to ensure output quality and reliability in production scenarios
- Led LLM architecture and prompt engineering to improve consistency of generated outputs and **reduce manual analysis effort by ~50% (projected)**
- Designed and implemented a **cost-optimization strategy**, reducing LLM test generation compute usage by **~80%** in internal evaluations

Football Referee, FFF

France | Aug 2024 – Present

- Enforced regulatory compliance and real-time decision-making in high-pressure competitive environments involving multiple stakeholders

Software Engineering Consultant, Frontiers Rights (Pro Bono)

Beirut, Lebanon | Jun 2023 – Aug 2023

- Collaborated directly with non-technical organizational leadership to define project objectives, functional requirements, and delivery **roadmap**
- Led **end-to-end design and development** of a web application as sole developer, from architecture definition to implementation
- Architected** scalable RESTful system and application data model to support operational needs
- Managed weekly stakeholder** reviews to align technical delivery with organizational goals

CERTIFICATION

[Meta Front-End Developer Professional Certificate](#)

Online | 2023

SKILLS & PERSONAL

Languages: Fluent in Arabic, English and French

Technologies: Java, C, JavaScript, TypeScript, SQL, NoSQL, Python

Platform & Tools: Spring, Angular, React, Express.js, Docker, Linux, Supabase, Qdrant, SonarQube

AI Engineering: LLM Systems Design, Agentic Architectures, Prompt Engineering, RAG, LangFlow, LangFuse

Core Skills: AI system design, technical architecture, cost optimization, process automation, stakeholder management, technical delivery, structured problem solving