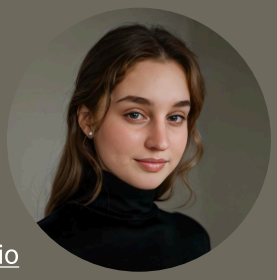
Célia Pallier

Full-Stack Software Engineer
C#/.NET | SQL | APIs | Applied AI



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PROFESSIONAL SUMMARY

I am a recent graduate software engineer with hands-on experience developing C#/.NET applications, SQL, APIs and user-facing web applications in industrial and product environments. I have worked on production-oriented software at Sikub and Lam Research, including database design, feature implementation, maintenance, debugging and workflow improvements. My recent MSc in Applied Data Science and AI also strengthened my ability to build end-to-end technical pipelines, integrate APIs and document complex systems clearly.
I relocated to Rüti and I am now looking for a long-term engineering role in Switzerland.

EXPERIENCE

05/2025 - 07/2025 : AI & AR Engineer Intern (Master's Thesis) | Legrand - Limoges, France

- Built an end-to-end prototype combining Unity, C#, Python/FastAPI, computer vision pipelines and HoloLens 2 deployment.
- Developed a backend API to process image inputs and return localization results to a Unity application.
- Integrated multiple systems into a working proof of concept, including dataset generation, inference, API communication and AR visualization.
- Tested configurations, analyzed failures, documented the workflow and presented results to technical and non-technical stakeholders.
- Worked with R&D and innovation stakeholders on a complex industrial digital twin use case.

09/2022 - 09/2023 : Software Engineer (Apprenticeship) | Sikub - Lyon, France

- Developed and maintained features for a SaaS web application using C#, .NET, SQL Server and MVC architecture.
- Designed and implemented a license management system to control user access to paid application features.
- Created database tables, backend logic and user-facing views for license assignment and validation.
- Worked on debugging, testing, maintenance and query improvements in a small Agile team.
- Contributed across the full software lifecycle, from requirement understanding to implementation and support.

05/2022 - 07/2022 : Web Developer Intern | Lam Research - Villach, Austria

- Developed and maintained internal business applications used in a semiconductor manufacturing environment.
- Added new features based on user requests to improve productivity and operational workflows.
- Worked with C#, Classic ASP, SQL, HTML, CSS and JavaScript.
- Used tools such as Visual Studio, Visual Studio Code, Git, Azure DevOps, SQL Server tooling and Postman.
- Collaborated with the Industrial Engineering team to understand business processes and deliver practical software improvements.

PROJECTS

AI Portfolio Chatbot (Full-Stack)
- Built a full-stack chatbot using C#, Blazor, REST APIs and Google Gemini
- Designed backend, frontend and LLM integration for real user interaction

Porsche Hackathon, AI HR Assistant
- Built an AI assistant that compares CVs with job offers and suggests matching roles
- Delivered a working prototype in 3 days with an international team

TECHNICAL SKILLS

Backend: C#, .NET, REST APIs, Python (Pandas, scikit learn, Matplotlib, Tensorflow), Java, JEE, architecture
Frontend: TypeScript, JavaScript, HTML/CSS
Database: SQL Server, Database design, Query optimization
AI & Integration: LLM APIs (Gemini), Data pipelines, Computer Vision, Machine Learning
Infrastructure & Tools: Docker, Git, Azure DevOps

EDUCATION

2024-2026 **Master's Degree in Applied Data Science & AI,** OPIT - Online

2022-2023 **Professional License in Computer Science - Enterprise Application Developer, Information Systems Administrator (DevOps),** IUT of Lyon - Lyon

2020-2022 **2 years university and professional degree in Communication and Multimedia,** IUT of Limousin - Limoges

LANGUAGES

French
Native language

English
TOEIC, 2022 : 930/990 (B2)
Duolingo, 2024 : 140/160 (C1)

German
B1 (Intermediate)

SOFT SKILLS

- Communication
- Problem solving
- Fast Learning
- Organization
- Creativity
- Teamwork
- Autonomy

INTERESTS

- Technology
- Design
- Robotics
- Cars
- Cooking
- Travels