

Alix Muller

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PROFILE

AI/ML Software Engineer with 3+ years building production AI systems. Specialized in LLM integration, RAG architectures, and conversational AI pipelines. Experience deploying ML solutions in regulated environments requiring data security and compliance. Proven track record leading technical teams and translating ambiguous requirements into scalable solutions.

EXPERIENCE

AppBuildChat

AI Engineer & Architect (Contract)

Seoul, South Korea

Jun 2025 – Dec 2025

- Architected end-to-end AI automation pipeline for a no-code app development platform, reducing human development time from 40 hours to 6 hours per application (85% reduction) over 6 months
- Designed and implemented a multi-agent LangChain/LangGraph workflow: PRD generator (conversational requirements extraction), agile sprint planner, Flutter code scaffolding agents, pseudocode-to-code agents, and automated testing agents—all orchestrated in containerized pipelines with per-sprint Git pushes
- Developed MCP servers, custom agent tooling, and FastAPI backend services, enabling engineers to focus on code review and critical fixes rather than boilerplate development

Hypeflow - Mirinae Technologies, Inc.

AI & Software Engineer

Seoul, South Korea

Mar 2024 – May 2025

- Designed and deployed 3 LLM-powered features from prototype to production, implementing RAG architecture with vector databases serving 10K+ daily requests with <2s latency
- Operated autonomously in ambiguous environment, translating high-level business requirements into technical specifications for AI workflow IDE used by 50+ enterprise clients
- Developed an IDE tool for creating complex AI workflows, featuring state management, visual pipeline design, and real-time execution monitoring

Epieos

Mobile App Reverse Engineer

Paris, France

Mar 2023 – Feb 2024

- Led technical analysis of mobile applications, specializing in API security assessment and vulnerability research
- Developed automated tools for API endpoint discovery and documentation using decompiled application code
- Handled sensitive investigative data under law enforcement protocols, building secure pipelines applicable to GDPR-compliant healthcare environments

TICE Industrie & Critical Sectors

Technical Team Lead – Industrial Systems

Grand Est, France

Sep 2016 – Oct 2022

- Led cross-functional teams of 5-8 in high-risk environments (petrochemical/food industry), delivering 15+ installations on time with zero safety incidents while managing evolving specifications and QHSE compliance

EDUCATION

Ecole 42

Tronc Commun École 42 : *Maximum Scores in All Projects and Exams*

Paris, Séoul

Nov 2022 – Oct 2023

- RNCP 7 Certification in IT Architecture Expert (In Progress)
- Ranked amongst the first with Level 20.62, Leading among 592 students (Average Level: 5.69)

BTS (Brevet de Technicien Supérieur)

Advanced Technical Diploma in Industrial Engineering & Manufacturing

Molsheim, France

Sep 2014 – Jun 2016

SKILLS

AI & Technical Leadership: AI Strategy & Architecture, LLM Systems Design, Enterprise AI Integration, MLOps, AI Infrastructure Scaling, Research-to-Production Pipeline

AI Development: LangChain, LangGraph, LlamaIndex, MCP Servers, Vector Databases, Semantic Search

Technical Expertise: Large Language Models, RAG Systems, Generative AI, AI Agents & Flows, Distributed Systems, Cloud Architecture, Data Engineering

Software Development: Python, FastAPI, JavaScript/TypeScript, C, Flutter, React.js, Node.js, SQL, Docker, CI/CD, Microservices Architecture

Languages: English, French

PROGRAMMING PROJECTS

KFS | Kernel From Scratch | [GitHub](#) — Rust-based x86 kernel: GRUB boot, VGA, GDT, pagination, kmalloc/vmalloc, IDT.

Security & 42 Core: Binary Exploitation (Boot2Root, OverRide, RainFall) | ft_transcendence (Full-stack SPA) | push_swap