

Senior Technical Specialist (m/f/d)



Temporär Jobregion: Basel Stellenprozente: 100%

Beschreibung

As a first-tier supplier to our renowned business partner **F. Hoffmann-La Roche Ltd. in Basel**, we are currently looking for a motivated and dedicated **Senior Technical Specialist** for a temporary assignment of 12 months, with high probability of extension.

Tasks & Responsibilities

- Design and deploy sophisticated agentic workflows using frameworks such as LangGraph, CrewAI, or AutoGen to automate complex clinical data management tasks.
- Build collaboration systems where specialised agents (e.g., Planner, Validator, and Protocol Reviewer) resolve end-to-end data challenges through high-quality, testable code and CI/CD pipelines.
- Apply systematic prompt engineering techniques (including Chain-of-Thought, ReAct, and Reflection) to guarantee high-fidelity outputs in a clinical context.
- Deploy AI agents into our cloud environment (AWS) while building and enhancing scalable applications that capture, move, and prepare scientific data.
- Partner with Data Integrity and Quality teams to ensure all agentic decisions are traceable, reproducible, and fully compliant with regulatory standards.
- Create reliable "Human-in-the-loop" (HITL) workflows and tool-calling agents to solve complex, highly regulated data challenges.

Must Haves

- 5+ years' experience and a Bachelor's or advanced degree in Computer Science, Machine Learning, Engineering, or Biomedical Informatics, alongside 8+ years of experience delivering AI/ML solutions plus 3+ years in full-stack software and data engineering
- Deep proficiency in Python and hands-on experience with AI orchestration frameworks like LangGraph, CrewAI, AutoGen, or LlamaIndex
- Solid experience with modern data engineering (SQL/NoSQL, APIs), Vector Databases (e.g., Chroma, Pinecone), and optimizing RAG pipelines
- Strong experience deploying AI systems on AWS, containerization (Docker, Kubernetes), CI/CD pipelines, Git, and service observability (logging, tracing, metrics)
- A strong understanding of model reproducibility, interpretability, and validation best practices within highly regulated environments

BERATER



Adnan Ferizi
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Seniority Level
Mitarbeiter

Berufskategorie
Elektro & Mechanik

Stellenprozent
100%

Jobtyp
Temporär

Referenz-Nr.
AFE-EM-T-56384

Jobregion
Basel



- Excellent problem-solving capabilities with the ability to explain complex technical concepts clearly to diverse global stakeholders
- Fluency in English

Nice to Haves

- Master's or PhD in Computer Science, AI, or a related quantitative field
- Experience in a highly regulated industry such as Healthcare, FinTech, or Aerospace
- Understanding / Showcasing practical, end-to-end implementation of security frameworks in complex agentic workflows
- Understanding of clinical trial life cycles and data standards
- Familiarity with monitoring tools for system performance, workflow analytics, and MLOps/DevOps best practices
- Contributions to open-source agentic frameworks or internal AI tooling in the automation or productivity space
- Experience to architect scalable solutions in complex environments with multiple existing system integrations
- Experience with other programming languages (e.g., C#, Java, JavaScript, R, RShiny) is considered an advantage
- Sharing your GitHub account, showcasing relevant work, is considered an advantage

Benefits

- Become part of one of the most prestigious pharmaceutical companies and actively shape the future of healthcare
- Experience a work culture that promotes diversity and inclusion and where all employees feel valued.
- Work on a state-of-the-art campus featuring green spaces, meeting areas, and an inspiring atmosphere
- Work with modern and up-to-date tools in an innovative work environment
- Start with a professional onboarding process and a thorough introduction to your new role during the Welcome Days
- Benefit from financial support for your professional development plans
- Enjoy a selection of high-quality meals in modern staff restaurants
- As part of a sustainable mobility concept, on-site parking spaces are available to you (subject to eligibility criteria)
- Take advantage of unbeatable, year-round discounts at renowned retailers and over 200 top brands
- Benefit from fleet discounts when purchasing new cars or receive constant fuel discounts with our fuel card

Are you interested? Do not hesitate and submit your complete application documents online today. We look forward to hearing from you!

Wir wertschätzen Vielfalt und begrüßen daher alle Bewerbungen – unabhängig von Geschlecht, sozialer Herkunft, Religion, Alter und Identität. Zur leichteren Lesbarkeit und besseren Verständlichkeit verwenden wir nur eine Gender-Form. Selbstverständlich sind im jeweiligen Kontext alle Genderformen gleichermassen gemeint.

Unser Bewerbungsprozess

