Position Title	R&D Software Engineer – Research, Innovation, AI

Why should you join Komatsu Pakistan Soft?

Komatsu Pakistan Soft is a fully owned subsidiary of Komatsu Limited Japan, and we are a part of Komatsu Group of Companies. Komatsu Pakistan Soft (Pvt.) Limited is into operation since 1999. We excel in providing enterprise software application solutions, IT consultancy and outsourcing services. Our vision, utter commitment, sheer dedication, unmatched teamwork and customer-centric approach have helped us evolve into a forerunner of innovation and ingenuity within Komatsu group as well as across the global IT industry.

Industry	Information Technology
Employment Type	This is a full-time on-site 6-months contract role, 05 days a week
Job Level	This is a Mid-Senior Level Role with 04-05 years of experience
Education	BS(CS) / BS(IT) / BS (SE)
Location	G-8, Islamabad

About Your Role:

We are looking for a passionate and experienced Software Engineer to join our Research & Development team. In this role, you will sit at the intersection of applied research and production engineering — exploring the frontiers of Generative AI, Machine Learning and other latest technologies, designing innovative solutions and owning the full journey from research prototype to scalable, production-ready application. If you thrive on solving hard problems, love learning cutting-edge technologies and want your work to have real-world impact, this role is for you.

Your Impactful Goals Will Include:

- Conduct research on emerging Generative AI and cutting-edge technologies.
- Document research findings, technical designs and implementation processes
- Design, develop and validate prototypes and proof-of-concepts (POCs)
- Translate research findings into robust, production-ready applications
- Collaborate with cross-functional teams to define requirements and deliver solutions
- Integrate AI features into existing applications (web, backend, APIs).
- Optimize and scale AI/ML models for performance and reliability
- Stay up to date with industry trends, tools and frameworks in AI/ML and software engineering

Functional Skills Requirement:

- Strong proficiency in Python (Mandatory)
- Hands-on experience with LLMs (OpenAI, Azure OpenAI, Anthropic etc.).
- Hands-on experience with machine learning frameworks (TensorFlow, PyTorch etc.)
- Strong prompt engineering and prompt optimization.
- Stay current with advancements in AI, NLP and foundation models.
- Experience with RAG architecture.
- Architect scalable AI systems (cloud, hybrid or on-prem).
- Knowledge of MCP, token limits, embeddings and similarity search.
- Docker & containerized deployments (preferred)
- Good to have DotNet/Angular/React experience
- REST API development & integration.
- Excellent communication skills in English.