

Jeonghun Kim

ML Engineer / AI Researcher

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Cover Letter

Dear FuriosaAI Hiring Team,

I am applying for the Software Engineer, AI Application position (Job ID 4005374201). I bring hands-on responsibility for AI features from model development to user-facing applications. At TieMing, I turn model outputs into working features and make query results, access decisions, and failure behavior understandable through interactive workflows. Before ISPARK, I served one year as an information-systems NCO in the Republic of Korea Air Force (Dec 2021–Dec 2022), maintaining Linux servers through shell scripting and log analysis.

I develop TieMing's core AI features, taking responsibility for model training, inference APIs, and user-facing workflows. For CRM queries, I implemented the path from relevant table selection to SQL validation, access enforcement, and result presentation. I then built interactive demos that let users inspect generated queries and compare results across roles. TieMing was demonstrated at AI Summit Seoul 2026. This work has required me to make model capability usable and understandable, as well as implement the underlying system.

I built a CRM query workflow covering schema retrieval, SQL validation, and controlled execution. I addressed incorrect table selection by enriching database context and combining semantic and keyword retrieval. I enforced read-only transactions and query limits, then designed and validated PostgreSQL Row Level Security (RLS) to restrict each user's row access. I also checked that document permission changes altered the evidence available to the answer. Execution checks and data access controls are part of the system, independently of the model's output.

I can contribute working reference applications that demonstrate FuriosaAI's models and inference platform through concrete user tasks. My experience spans the model, API, and interaction layers needed to deliver and improve those examples.

Sincerely,

Jeonghun Kim