Roman Ten

Applied AI Engineer | RAG and Full-Stack Applications

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Summary

Applied AI engineer and Computer Science graduate building retrieval systems, local model adaptations, and full-stack software. Built WRS, a live website knowledge assistant, and delivered internal reporting software with React, Python, and PostgreSQL.

Featured Project

WRS | Website Knowledge Assistant

wrs.kz | github.com/xenostate/ragskill

- Built and launched a multi-tenant RAG platform with a self-service trial, embeddable JavaScript widget, private knowledge bases, and Telegram integration.
- Implemented site and PDF ingestion, multilingual embeddings, and tenant-isolated hybrid retrieval using pgvector and PostgreSQL full-text search; returned source links with generated answers.
- Developed a FastAPI service, health checks, deployment tooling, automated tests, and CI; added configurable widgets, analytics, and feedback workflows.

Experience

CADAITECH | Machine Learning Engineer Jun 2026 - Present

- Develop RAG knowledge bases from digitized engineering documents for semantic search and information retrieval.
- Fine-tune local language models using labeled engineering data for domain-specific understanding and responses.

Sherubai Komir | Full-Stack Developer Jan 2025 - May 2026

- Built an internal reporting application with React, Python, and PostgreSQL for on-site data entry and more consistent reporting.
- Developed the company's public website.

Additional Project

Qwen3 0.6B Flashcard Fine-Tuning and Evaluation

Hugging Face adapter | GitHub code

- Fine-tuned 4-bit Qwen3 0.6B with MLX QLoRA on 621 curated synthetic examples to generate JSON flashcards; published the adapter, data, and code.
- Built deterministic format checks and a semantic audit; on 20 frozen passages, schema and exact-source success rose from 14/20 for the base model with code fences removed to 20/20.

Technical Skills

Programming and APIs: Python, JavaScript, SQL, FastAPI
AI and retrieval: RAG, multilingual embeddings, hybrid search, QLoRA, MLX-LM
Data and deployment: PostgreSQL, pgvector, Supabase, Docker, GitHub Actions, React

Education

Sungkyunkwan University | Bachelor's Degree in Computer Science and Engineering 2026
Vice President, SKKU English Debate Club (2024)
Additional study: Korean Language Program, Korea University

Languages

Russian: Native | English: IELTS 8.0 | Korean: KIIP Level 4 (Social Integration Program)