

Wei Wei

Software Engineer - Backend & AI Applications

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Open to overseas relocation, international remote roles, and contract work

PROFESSIONAL SUMMARY

Software engineer with **3.5 years of commercial engineering experience**, all within iSoftStone client delivery, building Java backend systems, geospatial data platforms, and practical AI applications. Project Lead coordinating eight backend engineers while remaining hands-on in implementation. Experienced in turning client requirements into technical delivery through Spring Boot, PostgreSQL, Redis, messaging, Spring AI, and LangChain4j.

TECHNICAL SKILLS

Languages	Java 8/17/21, Python, SQL
Backend	Spring Boot, Spring Cloud, Spring AI, LangChain4j, MyBatis, REST APIs
Data	PostgreSQL, PostGIS, MySQL, Redis, Elasticsearch, PgVector
Messaging	Apache Kafka, RabbitMQ, RocketMQ
AI Applications	RAG, tool calling, embeddings, vector retrieval, streaming responses
Engineering	Maven, Docker, Git, CI/CD, JUnit, integration testing, AWS EC2

WORK EXPERIENCE

iSoftStone Information Technology | Nanjing, China Mar 2023 - Present

Backend Engineer | Project Lead, Vendor Delivery

- Coordinate an eight-person backend delivery team implementing client-defined requirements; support hiring, run fortnightly meetings, prepare weekly reports, and onboard new engineers through active project work.
- Build road, transit, facility-data, and AI systems covering multi-source ingestion, domain workflows, PostgreSQL/PostGIS design, batch processing, data quality, RAG, and tool calling.
- Translate client requirements into implementation plans, task breakdowns, delivery follow-up, release support, and technical handover while remaining a hands-on backend contributor.
- Selected for internal leadership development and received PM certification, three-star competency recognition, and an efficiency-improvement award.

SELECTED COMPANY / CLIENT PROJECTS

AI Tour Guide Agent 2026

iSoftStone client project / Java 21 | Spring AI | LangChain4j | PostgreSQL/PgVector | Redis

A production AI guide service for scenic-spot knowledge, route planning, and context-aware narration.

- Built POI RAG retrieval, route and weather tools, multi-turn memory, source ingestion, answer evaluation, and fallback handling.
- Client reporting described 99.9% core availability and a narration error rate below 2% after iteration.

National Road Data Platform 2023 - Present

iSoftStone client project / Spring Boot | Conductor | ServiceComb | PostgreSQL | Elasticsearch | Python

A multi-source road-data platform for trajectory, UGC, simulation, and toolchain inputs.

- Built workflow-driven ingestion and a Python plugin model for extensible data-quality checks.
- Optimized JDBC batch writes and PostgreSQL indexes, moving core processing from days to hours with 30%+ query improvement.

SELECTED COMPANY / CLIENT PROJECTS - CONTINUED

Global Transit Data Initiative

2024 - 2025

[iSoftStone client project](#) / [Spring Boot](#) | [MyBatis-Plus](#) | [PostgreSQL](#) | [Redis](#) | [MQ](#) | [Quartz](#)

Automated acquisition, normalization, diffing, cleaning, aggregation, and publishing for transit data.

- Supported full transit-data replacement for 371 Chinese cities plus metro coverage for Japan and Korea.
- Implemented stop-to-station fusion; client reporting showed 97.5% station-cleaning automation and 98% accuracy.

Facility Data Initiative

2025 - 2026

[iSoftStone client project](#) / [Spring Boot](#) | [MyBatis-Plus](#) | [PostgreSQL](#) | [Redis](#) | [EMQ](#) | [XXL-JOB](#)

Automated tile-data ingestion and offline workbench features for pedestrian facility data.

- Delivered phased ingestion, integrity checks, offline editing, road-network consistency checks, and publishing modules.
- Supported pedestrian-facility coverage across 30 Indian cities and a client-reported 3% consistency improvement.

SELECTED PERSONAL PRODUCTS

NeoPick

Personal product

[Java 21](#) | [Spring Boot](#) | [PostgreSQL](#) | [Redis](#) | [React](#)

A two-sided marketplace for flexible one-to-one guitar lessons, grounded in original user research.

- Modelled teacher discovery, filters, booking lifecycle, authentication, real-time chat, tests, and deployment.

[neo.jimmyweidev.com](#)

AgentSaul

Personal product

[Java](#) | [Spring AI](#) | [PostgreSQL](#) | [Redis](#)

A Java AI agent demo focused on observable behaviour and resilient model execution.

- Implemented dynamic model fallback, tool calling, structured output, memory, resilience, SSE streaming, and Swagger docs.

[agent.jimmyweidev.com](#)

TRACE - AI Knowledge Assistant

Personal product

[Python](#) | [FastAPI](#) | [PostgreSQL/PgVector](#) | [React](#) | [Docker](#)

A grounded document question-answering product with an explicit evidence and retrieval pipeline.

- Implemented ingestion, chunking, embeddings, vector retrieval, grounded streaming answers, source display, and duplicate handling.

[rag.jimmyweidev.com](#)

EDUCATION & LANGUAGES

Suzhou University (Anhui) | Bachelor of Science

Sep 2016 - Jul 2020

[Computer Science and Technology](#)

Chinese: Native (Mandarin) | English: CET-6 425, spoken test B+ | German: A1, actively studying