

Milad Shaddelan

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Senior Data Engineer with 7+ years of experience delivering data platforms, reporting and internal applications across teams. Develops LLM orchestration systems for software implementation, review and verification. Seeking Forward Deployed Engineering roles combining business context with hands-on delivery.

EXPERIENCE

Senior Data Engineer

Apr 2025 - Present

- Work across teams on complex reporting and internal applications; built a Snowflake and Matillion data framework from source ingestion and transformation through delivery to users.

Data Engineer | Sleep Number

Aug 2019 - Apr 2025

- Built a cloud data lake and ETL/ELT pipelines using Azure Data Factory, Databricks (Spark), and SAS Viya.
- Developed data-transfer jobs and datasets used in financial and marketing reports presented to executives.
- Collaborated with business, marketing and cloud teams on reporting. Automated daily customer and sales-data delivery to Segment using SQL and Python.

Data Engineer | Simpatico Systems

Jan 2019 - May 2019

- Built a Python/Django data migration platform with REST APIs for transfers between Linux and Windows; consolidated MSSQL, Oracle, CSV, and XML data into PostgreSQL.

SELECTED ENGINEERING PROJECTS

Shipper | LLM software delivery

2026

- Developed a Python system coordinating LLM authors, independent review, tests and GitHub delivery. A 28-day study recorded 136 pipeline-authored merged PRs, including 50 merged by the pipeline.

Logmap | Commerce and financial data

2026

- Built customer and merchant workflows around a PostgreSQL double-entry ledger, idempotent posting and Firestore projections. Passed 123 selected ledger tests with isolated PostgreSQL and simulated external services in a November 2026 verification run.

Qalib | Agent verification and recovery

2026

- Developed a Python prototype connecting planning, CLI execution, verification and recovery through PM Studio, Fartower and Shield; verified component behavior with 41 passing selected tests.

Lynurl | Link infrastructure

2025 - 2026

- Developed a Next.js dashboard and Cloudflare Worker API for redirects, saved QR artifacts, and analytics, including QR ownership, validation, and quota lifecycle controls.

Project walkthroughs and supporting evidence: miladblog.com/work

TECHNICAL SKILLS

Python, SQL, TypeScript | Snowflake, Matillion, Spark, Databricks, Azure Data Factory | React, Next.js, REST APIs, Django, PostgreSQL, Firestore, Cloudflare Workers | Docker, Git, pytest, LLM orchestration

EDUCATION

MSc, Data Science | University of Texas at Dallas | 2017 - 2019

BSc, Civil Engineering | Sharif University of Technology | 2009 - 2014