

Andrew Shatsky

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Forward Deployed Engineering | Full-Stack AI Systems | Product Discovery to Production

SUMMARY

Software engineer and technical co-founder. At Nomura, a global investment bank, builds the integration paths internal teams use to put AI and agentic workflows into production on a high-throughput, high-availability data platform, and stays with those teams through go-live and production support. Co-founded Lokin and grew it to 2,000+ registered users and 800+ peak WAU.

EXPERIENCE

Nomura

New York, NY | 2023 - Present

Software Engineer

July 2025 - Present

Data Fabric / Agent-Integration Platform

- Serve as technical point of contact for adopting engineering teams, running production-readiness reviews before each go-live.
- Cut typical integration time from 2 weeks to 2 days by standardizing the integration path with reusable API/SDK setup, validation, templates, demos, and playbooks for a platform used across many internal teams.
- Build Java/Python services and REST APIs over Pulsar batch and real-time streams for teams shipping AI and agentic workflows, with schema validation, idempotency, access controls, and failure handling.
- Reduced observed diagnosis time for common issues from 2 hours to 30 minutes by building diagnostic workflows that centralize streaming health, validation failures, API errors, configuration, and integration state.
- Own production escalations, tracing failures across configuration, schema, access, and API state to unblock a team's path.
- Operate services on Docker/Kubernetes, tuning Pulsar partitioning, batching, and consumer concurrency for burst traffic.

Software Engineer Intern

June - August 2024

Data Fabric / Presto

- Integrated Presto JDBC and Pulsar SQL into Java/REST interfaces, giving teams historical and real-time event-stream access.

Software Engineer Intern

June - August 2023

Data Fabric SDK

- Shipped a production Python SDK that multiple internal teams adopted, standardizing high-throughput Pulsar producer/consumer workflows with schema validation, idempotency, automated tests, and Jenkins/Nexus packaging.

Technical Co-Founder - Lokin

August 2023 - July 2025

AI-enabled startup-team formation platform

- Conducted 40+ discovery, demo, feedback, and onboarding engagements that shaped requirements and weekly releases.
- Used interviews and behavioral data to redesign the 6-step, 12-field onboarding flow into 3 steps with 3 required fields, raising observed completion from ~5% to 50% and cutting onboarding to 3-5 minutes.
- Architected and shipped LLM workflows for project discovery, teammate matching, competitor analysis, and founder guidance using the Gemini API, Pinecone/Postgres retrieval, intent routing, tool calls, and deterministic fallbacks.
- Trained founders on the product and owned support escalations across onboarding, matching, and AI failures, while setting roadmap and release criteria for a 7-person team across 25 campus and club channels.

PROJECTS

Fitness Tracker AI | iOS wellness app

2025 - 2026

- Shipped Fitness Tracker AI on the App Store; built a three-stage, schema-constrained Gemini pipeline grounded in USDA FoodData Central with volume-to-mass density heuristics, averaging 1.2-second processing and ~10% macronutrient error.

EDUCATION

University of Miami

May 2025

BS in Computer Science; minors in Mathematics and Physics

Coral Gables, FL

TECHNICAL SKILLS

Languages & Product: Java, Python, TypeScript, SQL, React, Next.js, Node.js, FastAPI, Firebase/Firestore

Platforms & Data: REST APIs, Apache Pulsar (Kafka-class event streaming), Pulsar SQL, Presto, JDBC, PostgreSQL

Infrastructure: Docker, Kubernetes, Terraform, AWS, Google Cloud, Linux, Jenkins/Nexus, CI/CD, Vercel, Railway

AI Systems: Gemini API, LangChain, LLM orchestration, RAG, Pinecone, tool calling, LLM evaluation