

Andrew D. Shatsky

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Software Engineer & Technical Founder — Distributed Systems, Data Platforms, ML Infrastructure

EDUCATION

UNIVERSITY OF MIAMI COLLEGE OF ARTS AND SCIENCES

Coral Gables, FL

BS in Computer Science, Mathematics and Physics minors | Major GPA: 3.7

May 2025

- System Programming, Operating Systems, Computer Architecture, Database Systems, Computer Networks
- Linear Algebra, Advanced Statistics Analysis, Machine Learning, Neural Networks, Discrete Mathematics
- University Physics I&II&III, Thermodynamics and Kinetic Theory, Modern Physics, Biological Physics

EXPERIENCE

NOMURA, SOFTWARE ENGINEER

New York, NY | July 2025 - Present

- Leading development of an AI Agent Bus, reducing integration time from 2 weeks to 2 days across 75+ teams
- Building Data Fabric, distributed data services, sustaining 20K msgs/sec at 99.9% availability for multi-tenant
- Implementing UI for teams to manage/monitor platform usage end-to-end, cutting MTTR from 2 hrs to 30 min
- Designing AI/ML automations to streamline user onboarding and support workflows in high-volume analytics

SOFTWARE ENGINEER INTERN

New York, NY | June - August 2024

- Implemented historical-query in the Data Fabric via Presto JDBC, expanding access to 75+ internal teams
- Built scalable response mechanics and performed cluster-side Linux configuration to operationalize Presto

SOFTWARE ENGINEER INTERN

New York, NY | June - August 2023

- Shipped production Python SDK for Data Fabric to standardize high-throughput publish/consume workflows
- Added schema validation, idempotency, and Jenkins→Nexus packaging, enabling adoption for 9 internal teams

LOKIN, CEO AND TECHNICAL CO-FOUNDER

San Francisco, CA | August 2023 - July 2025

- University-integrated platform that helps students form teams and execute startups with an AI copilot layer
- Scaled web/mobile to 2,000+ users and 800 WAU, converting 25 campus/clubs into distribution channels
- Built AI agentic orchestration layer coordinating Postgres+Pinecone+tool calls, maintaining 2.0s p95 responses
- Implemented intent gating and deterministic fallbacks to control tools and behavior for improved quality
- Led execution with a cross-functional team of 7 people, coordinating product, engineering, and acquisition
- Owned fundraising and stakeholder outreach, pitch deck, KPI model, and data room for capital raise execution

PERSONAL DIGITAL SPACES, SOFTWARE ENGINEER INTERN

New York, NY | June - August 2022

- Developed a comprehensive API validation system in JavaScript, automating testing for REST/RPC APIs

PROJECTS

- **AI Companion:** Building a mobile event-stream and context-capture pipeline that ingests timestamped voice transcripts plus passive sensor telemetry 5–10 Hz, performs feature extraction and sequence labeling, then trains a next-action forecasting model on 21 days of data to output calibrated probabilistic recommendations
- **GetAlgoPicks:** Built an end-to-end sports analytics product with a Python scoring pipeline (Elo+spread), trained an XGBoost model to rank picks vs Vegas lines, and shipped a swipe-based React /TypeScript UI
- **Regime:** Built a regime-switching TradingView strategy with volatility-aware entries/exits, sentiment-derived signals, and risk overlays (position sizing and hedging) for execution, achieving 18.89% CAGR

SKILLS

- Java, Python, TypeScript, C, SQL; Linux, Postgresql, Redis, Jenkins; Elasticsearch, Langchain, RAG, LLMOps