

Sen Lyu

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SUMMARY

Technical Lead at Meta's Llama Research AI Foundation, specializing in building privacy-safe data platforms to support LLM training data integrity. Proven leadership in architecting scalable privacy systems, aligning engineering execution with evolving youth safety and global compliance requirements. Previously led critical initiatives in Meta's Privacy & Youth team, bridging legal, infra, and product domains.

EXPERIENCE

Meta

Software Engineer (Technical Lead) March 2022 – Present

GenAI Privacy Mitigation Tooling | Cross Org Tech Lead, Team of 8

- Led the vision, strategy, and execution for privacy tooling within Meta's Llama GenAI research ecosystem.
- Designed scalable mitigation architectures integrated with LLM pipelines, influencing long-term roadmap and research safety direction.
- Built and mentored a high-performing engineering team; drove hiring strategy, and aligned execution with leadership OKRs.
- Collaborate cross-functionally across research, infra, and product orgs to ship privacy-first GenAI systems used across Meta AI training platforms.
- Provided architectural reviews and strategic technical guidance across internal privacy projects.

Youth Infrastructure Migration | Tech Lead, Team of 6

- Spearheaded backend upgradation to align with a confidential project's launching.
- Converted high-level regulatory ambiguity into scalable infrastructure solutions with execution-ready project breakdowns.
- Drove end-to-end execution across backend systems, working tightly with product, design, and legal to meet safety mandates.

Youth Regulation Compliance Platform | Tech Lead, 3 Teams

- Directed delivery across 3 engineering teams (10 engineers) to meet time-sensitive youth regulation launch deadlines.
- Acted as technical glue across product and infra surfaces, ensuring consistency in compliance features and user protection measures.
- Provided product UX reviews with engineering perspective, influencing leadership decision-making around tradeoffs and launch scope.

Stratifyd Inc

Software Engineer, Platform & Data Infra February 2019 – February 2022

- Designed and implemented scalable data pipelines and tooling frameworks for real-time decision support systems.
- Owned end-to-end architecture of internal data processing infrastructure used by cross-functional product teams.
- Delivered integrations with 10+ external data sources, unifying data models for analytics and visualization platforms.
- Played a critical role in customer-facing platform reliability, reducing data-related support issues by 40%.

EDUCATION

University of Connecticut – Storrs, CT

Master's in Business Analytics and Project Management

2016 – 2018 / GPA: 3.9/4.0

Focus: Predictive Modeling, Machine Learning, Data Engineering, Big Data Platforms, and Analytical Systems Design

CORE SKILLS & COMPETENCIES

- **Tech Leadership:** Cross-team execution, project roadmapping, mentoring, org-level coordination
- **System Design:** Distributed backend systems, privacy infra, AI/ML platform tooling
- **Privacy & Compliance:** Youth safety, data minimization, policy-driven product development
- **Tools & Languages:** Python, C++, JS, SQL