David Cabatingan

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SUMMARY

Software engineer at Meta since 2020. Most of that time on access control and anti-scraping across Facebook and Instagram; on the Ads AI Hardware Efficiency team since January 2026, working on GPU capacity, embedding storage, and rollout tooling for large-scale machine learning (ML) inference.

EXPERIENCE

Meta Platforms — Menlo Park (2021–2023) & Remote (Boston) May 2020 – Present

Software Engineer, Ads AI Hardware Efficiency *Jan 2026 – Present*

- Designed a GPU capacity-optimization effort for large-scale ads ML inference and ran the multi-region rollout, reclaiming a substantial share of serving capacity with zero production regressions.
- Brought SSD-backed embedding serving to production ranking models — roughly 43% less memory and 11% better latency — then automated the rollout steps, cutting hours of work down to minutes.
- Kept seeing the same anti-patterns in code review of AI-generated changes, so escalated fixes at the pipeline level instead of catching them one by one.

Software Engineer, Anti-Scraping *Aug 2021 – Dec 2025*

- Led access control strategy for the Anti-Scraping org, covering billions of requests/day across Facebook and Instagram.
- Deprecated 200+ high-risk endpoints carrying abusive traffic, working with 10+ teams to balance the growth tradeoffs. Zero product incidents during rollout.
- Top code reviewer in the org (1000+ reviews/year); also ran incident review and on-call improvements.

Software Engineer Intern, Instagram Core Media Infrastructure *May 2020 – Jul 2020*

- Built a new video delivery strategy in Django and measured user impact through the A/B testing framework before deploying it.

MathWorks — Natick, MA May 2019 – Aug 2019

Engineering Development Group Intern

- Applied machine learning and statistics to equipment health monitoring in MATLAB's Predictive Maintenance Toolbox, and built a backend variable-information system for an upcoming release.

SKILLS

- Machine Learning Infrastructure: GPU capacity optimization, large-scale inference serving, embedding storage, multi-region rollouts
- Systems & Infrastructure: Distributed systems, rate limiting, reliability, incident response, on-call
- Security & Privacy: Access controls, privacy frameworks, vulnerability assessment
- Languages: Python, C++, SQL, Java, Hack/PHP

EDUCATION

Brown University — Providence, RI Sep 2017 – May 2021

ScB in Mathematics-Computer Science

- Teaching assistant for 4 courses, introductory through advanced: weekly office hours, assignment development, grading.