

Rafa Faruque

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Education

University of Minnesota Twin-Cities

BA in Computer Science, Minor in Cinema and Media Studies

Minneapolis, MN

Sept 2021 - May 2025

Experience

Software Engineer

July 2025 - Present

Deutsche Bank

New York City

- Improved order routing reliability across 200+ market data publishers by architecting a symbol list publication monitor
- Reduced manual deployment and testing time by 40% by building kdb+/q dashboards to monitor server health
- Cut production issue resolution time by 60% by building a Python pipeline to track traded servers by data center, adding observability and testing coverage

Software Engineer Intern, Facebook Ads

May 2024 - August 2024

Meta

Menlo Park, CA

- Migrated Ads Manager Creative page from Graph API to GraphQL, resolving a critical point of failure across 80+ fields that had spiked advertiser support cases and cost revenue
- Architected a reverse interop store with a caching layer to enable Pages to consume GraphQL, contributing 6,000+ lines of code with full unit test coverage
- Built a real-time Scuba dashboard surfacing which API fields were failing and why after each rollout, enabling faster issue detection and resolution during migration

Investor

February 2023 - May 2025

Atland Ventures

Minneapolis, MN

- Investor at a 1M+ AUM student-run VC fund, sourcing 600+ companies per semester and authoring investment memos to guide 25K check decisions
- Met directly with founders to evaluate product vision, business model, and growth strategy, advising on scaling and go-to-market decisions

Software Engineer Intern

June 2023 - August 2023

Optum Tech

Eden Prairie, MN

- Automated 50+ regression tests using Java, Selenium, TestNG, and Page Object Model for call center applications supporting 300K+ users ahead of a major upgrade
- Cut manual QA time by 90% with visual regression testing, accelerating release cycles from 1 to 3 times a year

Technology Intern

June 2022 - August 2022

Federal Reserve Bank of Minneapolis

Minneapolis, MN

- Reduced manual record-tracking time by 70% by building a dashboard to track order history and placement across 2,000+ FedPRO profiles using Python, Tableau, and pandas

Projects

LetterboxdWrapped | React, Python, TMDB API

- Developed a personalized movie analytics and recommendation platform using Letterboxd viewing and review data

TIV-archive | Next.js, PostgreSQL/PostGIS, deck.gl, Gemini API

- Built an interactive map of historic U.S. tornadoes with geospatial city search, EF ratings, and an animated timeline replaying NOAA's tornado archive

Filmlogical | Instagram, Adobe Photoshop, Adobe Premiere Pro

- A film publication I founded and grew to 1.2k+ followers through publishing original film criticism and editorial content

Venture Pipeline Tracker | Airtable AI, Javascript

- AI-powered internal sourcing platform with dashboards and investment pipeline analytics for a 1M+ student-run VC

Technical Skills

Languages: Java, Python, TypeScript, C/C++, PHP/Hack, OCaml, PostgreSQL, JavaScript, HTML/CSS, R

Frameworks: Next.js, React, GraphQL, Node.js, Django, FastAPI, Docker, deck.gl

Developer Tools: Git, kdb+/q, pandas, Tableau, PostgreSQL/PostGIS, pgvector, Supabase, Neon, Vercel