

HARI PRASATH RAMAN

New York, NY

<https://www.linkedin.com/in/hariprar>

hraman@cs.stonybrook.edu · <https://github.com/rhp4515>

EDUCATION

M.S. Computer Science

Stony Brook University · CGPA 3.96/4 · Dec 2016

B.Tech. Computer Science & Engineering

NIT Tiruchirappalli · CGPA 8.5/10 · 2009 — 2013

TECHNICAL SKILLS

- **Languages:** Python, C++20, TypeScript, JavaScript, Bash
 - **Protocols:** FIX, REST / OpenAPI, BLPAPI, SSE
 - **Middleware:** Kafka, RabbitMQ, Celery, SaltStack
 - **Frameworks:** Flask, Django, React
 - **Practice:** People-first leadership, API platform strategy, observability-driven design, AI-assisted engineering, TDD / BDD
-

WORK EXPERIENCE

Bloomberg

Mar 2017 – Present

Engineering Manager

New York

- **Scope:** Own the unified FIX / REST / BLPAPI ingestion platform behind the firm's mission-critical client data workflows — enterprise standards of correctness, reliability and performance.
- Re-architected trades/orders ingestion: 5 → 300 msg/s, 50 → 1,000+ orders per basket, 1M+ transactions a day across buy-side and sell-side workflows.
- Made the platform legible — dashboards and interfaces surfacing ingestion flow, latency patterns, error hotspots and per-client activity in real time; confident operations through peak market events.
- Drove a shared Pub/Sub platform capability out of competing SSE APIs — OpenAPI and Kafka contracts agreed before implementation so consumers could validate early.
- Directed the Linux migration at DR-1 with 99.9%+ uptime and no disruption to trading days; latency halved; releases monthly → weekly, error rate -30%.
- Coach the team on LLM-based tooling for troubleshooting, code assistance, test generation and pattern detection.
- **Team:** 10 engineers · onboarding ramp 3 months → 1 · TDD/BDD default · three senior engineers now lead areas independently

Senior Software Engineer

Apr 2019 – Feb 2022

- Designed DataMapper, a configuration-driven translation framework serving 600+ requests per second with horizontal scale — one data dictionary instead of bespoke integrations.
- Built the self-service portal that let trading-system teams request and manage their own middleware configuration, retiring a queue of manual tickets.

Software Engineer

Mar 2017 – Apr 2019

- Shipped SIMN, a workflow engine for data-centre operators to author, validate, execute and audit network maintenance runbooks — 60%+ gain in operator efficiency.
- Built a distributed reachability monitor with historical query APIs, letting alerting correlate application failures against device outages.

Whisper

Jun 2016 – Aug 2016

Software Developer Intern

Venice CA

- Reporting and anomaly-detection dashboards on Druid, plus an interface for managing Presto queries and automating Jenkins jobs for the data science and SRE teams.

Zynga

Jul 2013 – Jul 2015

Software Engineer

Bangalore

- Cut initial game load time 25% by preloading assets against player game state.
 - Dynamic task generation tuned to player skill: engagement +15%, retention +20% across demographics.
-

RESEARCH EXPERIENCE

On the Performance Variation in Modern Storage Stacks

USENIX. File Systems Lab, Stony Brook (Prof. Erez Zadok).

SHS-HTTPS enforcer

ACM SIGSOFT SEN 38(6). Networks Lab, NIT Trichy (Prof. S. Selvakumar).

Hari Prasath Raman · New York, NY

Updated 2026-09