

Aravind Sridhar

Lead Software Engineer • AI-Forward Full-Stack

9 years in software (5 in fintech) leading projects end to end across LLM tooling, ML, full-stack product, DevOps, and networking.

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HIGHLIGHTS

- Led projects across every layer: AI (LLM insights platform), ML (Due Soon), product (Plaid Asset Report, one-click bank connection, Instant Advance), platform (Convex-to-Kubernetes), and networking (enterprise domain gateway).
- Tech lead of 6 engineers and SME on 4 projects; two mentees promoted; partner across product, DevOps, and networking.
- Builds AI-first: runs Insider Stock Watch, a live ML trading platform benchmarked daily against SPY, gold, and bonds.

SKILLS

AI & ML: LLM agents (Claude Code, MCP), LightGBM, scikit-learn, pandas, ensembles, walk-forward backtesting

Full-Stack: Rails, Node.js, Python, GraphQL Federation, PostgreSQL, Redis, Sidekiq, TypeScript, React, Next.js

DevOps & Networking: AWS, Kubernetes, Docker, Terraform/Antiport, CI/CD, domain gateways, Datadog, Opsgenie

Leadership: system & API design, distributed systems, mentorship, cross-team delivery, funnel analytics (Periscope)

EXPERIENCE

OneMain Financial

Jul 2023 – Present

Lead Software Engineer

Remote

- Leading an in-app **LLM insights platform**: a prompt harness for product to test prompts against multiple data sources (live in dev), plus shadow-run infrastructure that ranks prompt results to decide which AI insights reach customers.
- Improving **merchant matching**, the engine behind “cancel this” and “negotiate this bill”: better matches grew the cancellation and negotiation queue **~1.5x**, lifting engagement and the business.
- Led **Plaid Asset Report** token sharing to show cashflow, bills, and subscriptions *before* a user links a bank, plus **one-click bank connection**: user activation ~4% to ~6% to **~12% (3x)**; owned architecture, frontend and backend code, QA, Datadog, and Periscope funnel metrics.
- Led **Due Soon**, an ML bill-date prediction engine, whiteboard to production for ~100K bank accounts: accuracy ~70% to ~80%, app engagement up ~6%.
- Led the **Convex-to-Kubernetes** infrastructure migration with **zero downtime**; cut Datadog spend 30–40% (~\$80K/yr), passed a clean SOC 2 audit, and stood up team on-call.
- Integrated OneMain’s enterprise domain gateway across software, DevOps, and networking teams: built the Plaid token-sharing GraphQL subgraph (~60K requests/day) on federated GraphQL.
- Own MyMoney (~1M users) end to end, frontend through infrastructure, across five product features, AWS/Kubernetes, and observability; mentor through code review and architecture coaching.

OneMain Financial

Oct 2021 – Jul 2023

Senior Software Engineer

Remote

- Directed design and launch of **Instant Advance**, a new short-term lending product: eligibility rules engine and TabaPay payments, proof of concept to production.
- Rebuilt subscription detection for higher recognition accuracy and cancellation success; rebuilt the medical-bill negotiation pipeline and a conversational SMS tracking system.

Q-Centrix *Software Engineer*: full-stack Rails/React clinical-data platform with HL7/Mirth integrations.

2019 – 2021

Raytheon *Software Engineer I & II*: real-time embedded C on VxWorks for radar tracking (Kalman filters).

2017 – 2019

PROJECTS

Insider Stock Watch (*personal project; Python, Node.js, Rails, PostgreSQL*)

insiderstockwatch.com

- Full-stack investing platform: daily-ranked insider buying from SEC filings, per-stock news, charts, and company fundamentals, a \$10K virtual-money practice-trading portfolio, and a stock-basics course.
- Live ML trading engine built to beat SPY, gold (GLD), and bonds (AGG): a 12-model LightGBM/random-forest ensemble on 48 point-in-time features and 23.5K insider events since 2008.
- Fully automated daily pipeline scores each night’s filings before the open and marks long/short portfolios to market against all three; strategies ship only after walk-forward, holdout, and stress tests.

EDUCATION **Georgia Institute of Technology** • M.S. Computer Science (Machine Learning), part-time

Expected 2028

University of California, San Diego • B.S. Computer Engineering

2017