

Vasanth Muralidharan

Senior Engineering Manager - Fintech Ops Platform @ SoFi
(Ex-Amazon and Ex-Honeywell)

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Professional Summary

Engineering leader with 14+ years building internet-scale consumer products and fintech platforms. Led engineering organizations of 30+ across Amazon and SoFi while remaining deeply involved in architecture and product execution. Built and scaled backend systems serving 10,000+ QPS, launched zero-to-one products, drove Alexa Routines from 10M to 40M daily active users, and currently lead AI-powered platforms processing billions of transactions.

Key Skills

- **Leadership:** Zero-to-One Scaling, SDLC Governance, PCI-DSS 4.0, DevSecOps, Cross-border hiring, Performance Management and Mentorship
- **Engineering:** Node.js (TypeScript), Python (FastAPI), Java, React, Next.js, Kubernetes, CI/CD tools (ArgoCD, GitLab), AWS (for infra), OpenSearch, Omni (BI Dashboarding), Agentic Integration and Tooling (skills, MCPs)

Work Experience

Senior Engineering Manager – Fintech Operations Platform SoFi Technologies Inc. | Seattle, WA | Feb 2025 – Present

- Lead a 32-engineer organization building backend platforms powering fraud detection, risk decisioning, and banking operations for a regulated fintech platform.
- Own engineering across backend services, customer-facing web applications, and data platforms built on Python, TypeScript, Kubernetes, and cloud-native infrastructure.
- Build and operate tier-1 AI/ML systems that score billions of transactions in near real time (6,000+ QPS) and power tools for customer support, fraud/disputes, and back-office operations.
- Drive organization-wide AI adoption (Cursor, Claude Code, Bedrock) delivering ~15% productivity uplift via automated code reviews, tests, and release workflows.
- Co-own technology strategy and multi-year roadmap with Product and Business, including capacity planning, budgets, and headcount allocation across fraud, risk, and operations domains.

- Led vendor selection and rollout of observability and incident tooling (Datadog, Coralogix, Incident.io, Rootly), including pricing and licensing negotiations.
- Regularly partnering with senior executives and external stakeholders to communicate technology strategy, risk posture, and roadmap, including support for regulator and partner discussions.

Manager III, Software Development – Alexa Routines

Amazon – Seattle, WA | Sep 2018 – Feb 2025

- Grew Alexa Routines DAU from 10M to 40M (300%) in two years, contributing to over half of Alexa's total DAU through new features and upsell experiences.
- Led a 30-member distributed org (US/India) owning Alexa Routines and orchestration systems handling ~10,000 QPS and a large share of Alexa mobile engagement.
- Co-inventor on a US patent for detecting completion of AI-driven automated actions on Alexa devices.
- Served as an Amazon Bar Raiser, conducting 250+ interviews (SDE, SDET, QAE, SDM, TPM) and coaching interviewers to uphold hiring standards.

Software Development Engineer – Amazon Delivery Experience

Amazon - Seattle, WA & Bangalore, India | 2015 – 2018

- Launched the Amazon 2-hour Delivery as Technical Lead, for US and IN locales. Built complex logistics and warehouse integrations from the ground up.
- Designed and Shipped features such as Delivery Feedback and delivery speed-based search filters.
- Built the Amazon Buyback exchange platform, improving customer retention by ~10%.
- Led cross-functional logistics programs (Sub-Same-Day, regionalized delivery, Amazon Fresh scheduled delivery), improving delivery speed by ~30% and customer satisfaction by ~15%.

Software Engineer, Flight Management Systems

Honeywell Aerospace, Inc, Bangalore, India | 2012 – 2015

- Software Developer for Honeywell's Flight Management Avionics Software. Specifically for the Boeing 787-9 aircraft.
- Developed the I/O interfaces and Flight Planning Module – Language used: C++

AI Product Innovation & Hands-on Prototypes

- Developed '[Talk to the Site!](#)' - Chrome Extension: Built and published an AI-powered Chrome Extension enabling users to converse with arbitrary websites using pluggable LLM providers and AWS Bedrock. Reached hundreds of daily active users before sunset after Chrome introduced native "Ask Gemini" capabilities.
- Developed 'Immortal Stories Retold' - AI Generated fully automated podcast: Built and operated a fully automated AI generated story-telling podcast, published to Spotify, YouTube and Amazon Music with no-human touch end to end.

Education

Thiagarajar College of Engineering, (Anna University - Chennai, India)

B.Tech., Information Technology | 2009 – 2013

- Graduated with 3.6/4.0 GPA, ranking in top 2% of engineering class.

Certifications and Publications

- Six Sigma Core Green Belt Certification
- Paper on "A new weight based self-organizing approach to clustering in mobile ad hoc networks" - Published to ACM ([link](#))