Vignesh Sridharan

Technical Product and Program Leader

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Product and program leader bringing hardware, software, and silicon technologies from concept to launch. At Apple, led Precision Finding feature definition and execution across 47 distinct teams, delivered wireless hardware for the iPhone 15 series and shipped 2026 Home products, and established manufacturing capability in a new region in under six months.

EXPERIENCE

Senior Engineering Program Manager, Wireless Hardware | Apple Inc.

Cupertino, CA • Oct 2022–Present

- **Precision Finding:** Led technical and program execution from early concept through Siri Remote integration. Defined feature KPIs for a new underlying technology, translated them into product-specific requirements, and aligned 47 distinct hardware, software, and silicon teams.
- **Launch decision:** Used schedule and readiness data to recommend separating feature availability from the Siri Remote hardware launch, keeping the hardware schedule on track while development continued in parallel.
- **Manufacturing expansion:** Established engineering and manufacturing lines with two contract manufacturers in a new region in under six months, enabling new product programs there.
- **2026 Home lineup:** Led wireless architecture, feature definition, and hardware build execution through shipment for Home View, HomePod mini 2, Apple TV, and Siri Remote; introduced three design and manufacturability process improvements being adopted for future Home products.
- **iPhone 15 series:** Delivered wireless hardware on schedule with 10–20% average engineering cost savings per program versus concept-review budgets.

Senior RF Design Engineer | Skyworks Solutions Inc.

San Jose, CA • Mar 2017–Oct 2022

- **Production RF design:** Designed and taped out power amplifier and RF front-end modules used in flagship devices, including iPhone 12 Pro, iPhone 13 Pro, iPhone 14 Pro, and iPad Air.
- **Cost and roadmap:** Reduced Gen1 product cost 15% through alternative RF architectures, supporting customer design wins; led next-generation open-market RF front-end modules through production ramp.

AI INITIATIVES AT APPLE | SELF-INITIATED

- **NPI budgeting tool:** Independently conceived and built a tool adopted across multiple lines of business that standardizes program budgets and uses historical data for AI-assisted estimates, reducing budget creation from up to a week to a few hours.
- **Live Q&A Handler:** Independently conceived and built an AI agent application that answers audience questions from preloaded context and flags low-confidence responses. Used in 25+ workshops and office hours with up to 100 attendees; integrated with the company meeting platform through IT.

SKILLS

Product requirements and feature KPIs • Technical program management • Roadmaps and prioritization • Cross-functional leadership • Wireless systems • Silicon and hardware development • New product introduction (NPI) and manufacturability • AI product development • Cost optimization

EDUCATION AND LEADERSHIP

MS, Electrical & Computer Engineering | Georgia Institute of Technology, 2016

BE, Electrical & Computer Engineering | SSN College of Engineering, 2015

Alumni Mentor, Georgia Tech • President, Entrepreneurship Development Cell (150+ members)