

JOE ESKELSON

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Senior Technical Product & Program Manager

EXECUTIVE SUMMARY

Senior Technical Product and Program Manager with 20+ years of experience leading the development, certification, and commercialization of wireless devices, consumer electronics, broadband platforms, and connected hardware products from concept through mass production. Extensive experience partnering with cross-functional engineering teams, carrier organizations, global supply chains, and OEM/ODM manufacturers to deliver carrier-grade products through structured development phase gates (EVT, DVT, PVT, MP). Proven success leading hardware programs across engineering, manufacturing, certification, and product launch while managing technical risk and cross-functional execution.

CORE COMPETENCIES

Product Definition & Strategy: Technical Product Ownership, PRD/BRD Writing, Feature Prioritization, Data-Driven Roadmap Execution, Scaling Frameworks, User Experience Alignment.

Hardware Lifecycle & Operations: Manufacturing Readiness (EVT/DVT/PVT), Factory Build Coordination, FATP Validation, Production Ramp.

Systems Integration & Connectivity: Wireless Protocol Integration (5G, LTE, Wi-Fi 7, Bluetooth, GNSS), Firmware/Hardware Co-design, Cross-Functional Test Validation, Defect Triage.

Ecosystem Execution: Technical Partnerships, Global Vendor & ODM/OEM Management, Carrier Certification & Regulatory Compliance (PTCRB/CTIA/FCC), Strategic Sourcing, Executive Communication.

PROFESSIONAL EXPERIENCE

Boundless Devices, Inc. 2025 – 2026

VP, Technical Program Management

- Led end-to-end technical execution for complex connected hardware programs spanning broadband devices, device firmware, cloud infrastructure, and international manufacturing partners.
- Coordinated firmware releases, hardware validation, certification activities, and manufacturing readiness across global engineering teams.
- Coordinated engineering builds, interoperability testing, certification readiness, and launch milestones with partners including Comcast, Charter, Cox, CBN, MTN, and Gryphon.
- Established program governance, milestone tracking, executive reporting, and risk management processes that improved cross-functional execution.

T-Mobile USA 2022 – 2025

Senior Product Manager, Technical

- Technical Product Owner – SyncUP KIDS Watch 2: Served as the primary technical product owner and hardware lead for an exclusive T-Mobile wearable device launched nationwide in July 2024; acted as the principal interface across engineering, marketing, supply chain, and external ODM teams.
- Managed EVT/DVT/PVT gate reviews and readiness criteria to stabilize hardware builds, improve factory alignment, and protect launch schedules.
- Led cross-functional execution across platform engineering, RF, embedded software, UI/UX, and supply chain teams to resolve technical dependencies and deliver products on schedule.

- Managed global OEM/ODM partners through product development, tooling, validation, and manufacturing readiness, ensuring hardware, firmware, and carrier requirements remained aligned through launch.
- Partnered with Device Portfolio & Sourcing leadership to evaluate new suppliers, technologies, and wearable platforms while influencing multi-year product strategy.
- Served as the primary technical interface between carrier engineering teams, OEM/ODM partners, suppliers, and internal stakeholders to drive product development, certification, and commercial launch.

Coolpad Technologies 2018 – 2022

Director, Product Realization

- Directed U.S. device development, validation, and product realization programs for Tier-1 wireless carrier customers throughout North America.
- Managed program schedules, technical risks, and executive communications across multiple simultaneous carrier device programs.
- Led cross-functional engineering, quality, certification, manufacturing, and carrier teams from product definition through commercial launch.
- Optimized validation, test engineering, and regulatory certification workflows (PTCRB, FCC, operator acceptance), driving down post-launch field failures and accelerating time-to-market.

Alcatel / TCL Mobile 2015 – 2018

Director & Senior Manager, Product Realization

- Managed technical product initiatives and hardware programs for complex mobile devices tailored to major North American telecommunications networks.
- Coordinated hardware, embedded software, and factory readiness gates across cross-functional global R&D and manufacturing teams.
- Led technical escalations involving hardware, software, certification, and carrier readiness to keep programs on schedule.

Earlier Technical Experience 2004 – 2015

HTC, Teleca, Motorola, T-Mobile, Elektrobit

- Held foundational test engineering and technical account leadership roles focused on wireless device validation, carrier certification (PTCRB/CTIA), field-performance testing, hardware/software optimization, and root cause issue resolution.

PROFESSIONAL DEVELOPMENT & TECHNICAL TOOLS

- **Professional Coursework:** Business Administration, Technology Management, and Information Systems.
- **Methodologies & Frameworks:** Hardware NPI Governance (EVT/DVT/PVT/MP), Stage-Gate Process, Agile/Scrum, Program Metrics.
- **Core Platforms & Tools:** JIRA, Confluence, Product Lifecycle Management (PLM) Tools, Test Validation Platforms.
- **Industry Experience:** Carrier certification, wireless interoperability, OEM/ODM engagement, hardware commercialization, global product launches.