

Contact

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(LinkedIn)

Top Skills

Agentic AI for Business
Software Development Life Cycle (SDLC)
Product Marketing

Languages

English (Native or Bilingual)
Spanish (Limited Working)

Certifications

DAT263x: Introduction to Artificial Intelligence (AI)
DAT249x: Ethics and Law in Data and Analytics
14-Day AI Boot Camp
DAT208x: Introduction to Python for Data Science
DAT256x: Essential Math for Machine Learning: Python Edition

Quinten Kocian

Technical Product Manager | High-Speed Digital & Serial Instrumentation | Semiconductor Validation & Production
United States

Summary

I bridge the gap between physical silicon constraints and digital performance. As a Technical Product Manager, I lead the strategy for high-speed digital, high-speed serial, and high-power instrumentation that test the world’s most advanced semiconductor devices, ensuring seamless integration across complex systems involving both physical hardware and software layers. My focus is on the translation layer: ensuring that high-speed serial protocols and complex digital patterns meet the rigorous demands of next-gen semiconductor designs. I thrive at the intersection of hardware-level signal integrity and software-defined test workflows, enabling engineering teams to scale from first-silicon to mass production.

Experience

NI (National Instruments)
3 years 11 months
Senior Product Manager
August 2024 - Present (1 year 10 months)
Austin, Texas Metropolitan Area

Key Activities & Accomplishments:

- Leading the definition of an NI-first Parametric Test feature targeting Semiconductor Validation and Manufacturing Test
- Defending multi-million dollar revenue streams against product-killer component EOLs, working cross-functionally with S&OP, R&D, and manufacturing orgs to secure the future of my portfolio

Led multiple product strategy refreshes for NI's PXI High-Power, High-Speed Digital, and High-Speed Serial product portfolios including:

- Recommending strategic product enhancement investments across hardware, driver/API, and application software domains
- Remapping a mature portfolio to new application segments across NI's BUs and driving adoption of these portfolios in new systems designs

- Refreshing and re-building aging technical and non-technical Sales Enablement material to drive product education to a shifting sales org

Product Manager

July 2022 - July 2024 (2 years 1 month)

Austin, Texas Metropolitan Area

Mixed Signal Semiconductor & Electronics – PXI High-Speed Digital, High-Speed Serial, and High-Power Instruments

In this B2B Product Management role, I oversee the full product lifecycle—from ideation and concept development to launch, maturity, and end-of-life. My responsibilities span a diverse technology stack, integrating hardware, driver/API, and application software.

While my primary focus is on the Semiconductor Validation and Production Test (ATE) industries, I actively explore opportunities for broader market applications across various sectors.

Key Accomplishments:

- Led 4 major new product releases, and 1 major product improvement release
- Collaborated heavily with R&D on mitigation strategies for multiple product killer component EOLs, including 1 fab transition
- Collaborated with Sales and R&D as a technical liaison on multiple occasions to close major, multi-million dollar programs & opportunities

Key Responsibilities:

- Develop and execute comprehensive Go-to-Market strategies, including creating sales enablement materials.
- Lead business justification for new product initiatives, evaluating market timing, TAM/SAM/SOM analysis, and technology trends.
- Collaborate with cross-functional teams, aligning stakeholders such as R&D, marketing, sales, manufacturing, and systems integrators to ensure successful product delivery.
- Foster partnerships and customer feedback loop to optimize product performance and market fit through driver/API/app software improvement projects.

Southwest Research Institute

Student Engineer

May 2020 - June 2022 (2 years 2 months)

San Antonio, Texas, United States

This role was full-time during the Summers and nearly full-time during the semesters. I worked in this role as a DoD Secret cleared employee, making significant technical contributions to multiple projects under the supervision of Principle Engineering supervisors and mentors. I worked in this role while I completed my EE coursework at UTSA:

- Collaborated with Institute engineers and scientists to implement various projects within SwRI's Applied Physics division as a Secret-cleared employee. This project work involved active communication with technical experts to extract meaningful knowledge that would allow the project to progress.
- Contributed to a wide range of projects involving embedded signal processing, audio processing, embedded C-programming, MATLAB tool/app development, embedded RF communications (LoRa), and embedded power systems (LDO and SMPS).
- More detailed list of projects available upon request.

Yates Company, LLC

Controls Systems Design Engineer

September 2016 - September 2018 (2 years 1 month)

San Antonio, Texas, United States

Tech-led a small team of engineers through the controls design and deployment process, from bid through commissioning:

- Employed entrepreneurial mindset to kickstart a new in-house engineering/development department responsible for all the network/controls design and SCADA throughput of the business.
- Led and trained a team of 3 engineers to perform their design tasks effectively and to be knowledgeable about common BAS communication protocols, network design structures and logic implementation.
- Provided key analysis to project managers throughout the project's lifecycle, playing a key transitional role from design of a project to its implementation.
- Collaborated with building engineers and end-users to deliver a palatable, customized SCADA interface while keeping in mind the scope and specifications of the project.
- Designed logic sequences for the efficient control of equipment.

Education

The University of Texas at San Antonio

Bachelor of Science - BS, Electrical Engineering · (September 2018 - December 2021)

University of the Incarnate Word

Bachelor of Business Administration - BBA, International Business · (September 2012 - May 2016)