

Dongjae Yi (이동재)

Technical Program Management | Automotive & EV Systems | Cross-Functional Leadership

Technical Program Manager with 13+ years leading cross-functional automotive and EV system programs across APAC and Europe. Experienced in end-to-end delivery of complex hardware–software integration, bridging engineering and business teams to enable next-generation autonomous and mobility solutions. Skilled at coordinating AI/analytics-driven initiatives, using data insights to improve program delivery and product performance.

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📍 Singapore

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SKILLS

Program & Delivery Management

End-to-end ownership, cross-functional delivery, Agile/Scrum, roadmap planning, risk management, stakeholder alignment

Systems Thinking & Validation

System-level architecture, HIL/SIL, model-based testing (Simulink, dSPACE), integration planning, performance verification, ASPICE/ISO 26262

Analytics & Process Optimization

Data-driven decisions, KPI tracking, delivery improvement, forecasting, Python/Tableau visualization

Cross-Functional Leadership

Engineering–product–ops coordination, APAC/EU collaboration, vendor/partner management

Automotive & Mobility Expertise

Vehicle electronics, sensor fusion awareness, EV safety systems, mobility program delivery

Tools & Platforms

JIRA, Confluence, MS Project, Tableau, Notion, Simulink / dSPACE, Git

WORK EXPERIENCE

Technical Project Manager

JIOS Aerogel (Electric Vehicle Battery Startup)

08/2024 - 04/2025

Singapore

Highlights

- **Cross-Functional Program Delivery:** Led end-to-end EV battery safety projects integrating R&D, validation, and supplier coordination across the US, Singapore, Korea, and China, ensuring on-time delivery of thermal protection solutions for OEMs.
- **System Validation and Process Optimization:** Standardized compression, seal-strength, and flow-rate validation, and introduced **dashboard-based** tracking that improved test efficiency and cross-team visibility.
- **Data-Driven Problem Solving:** Partnered with researchers to analyze performance trends and identify root causes of variability, supporting data-informed design decisions and more consistent results.

Founding Member

The Ice Bath Club (Wellness Startup)

01/2024 - 07/2024

Singapore

Highlights

- **Operations and Vendor Management:** Streamlined daily operations by managing vendor partnerships, logistics, and chiller system maintenance, ensuring consistent reliability and smooth member experiences.
- **Customer and Experience Design:** Improved engagement and partnership strategies by incorporating customer feedback and data insights to enhance retention and satisfaction.
- **Analytics and Performance Tracking:** Built Excel and Tableau dashboards to monitor footfall, revenue, and churn metrics, turning insights into actionable decisions for pricing and service optimization.

WORK EXPERIENCE

Professional Development

Georgia Institute of Technology

06/2023 - 12/2023

United States, Singapore

Highlights

- **Master's in Analytics:** Accelerated program at Georgia Tech, specializing in advanced analytics and data-driven decision-making.

Technical Project Manager

Continental Automotive

01/2022 - 05/2023

Singapore

Highlights

- **Program and Concept Development:** Directed concept design/testing for sensor fusion and trajectory control, improving prototype performance 15% by integrating market-available components and fusion updates.
- **Cross-Functional Delivery:** Managed technical coordination between R&D, testing, and customer-facing teams across Singapore and France, ensuring milestone completion and resolving hardware–software integration issues.
- **Prototype Validation and Risk Control:** Oversaw validation of driver access product prototypes, streamlining risk assessment and readiness reviews for OEM evaluation and demonstration.

System Requirements Engineer

Continental Automotive

08/2020 - 12/2021

Singapore

Highlights

- **Requirements Definition and Traceability:** Managed over 300 system and software requirements for gateway and communication modules, maintaining full traceability and version control using Jira queries and dashboards, reducing open requirement churn by 15%.
- **Cross-Functional Alignment:** Collaborated with engineering, QA, and validation teams across regions to ensure integration readiness, compliance, and alignment with program milestones.
- **OEM and Internal Coordination:** Facilitated requirement reviews with OEM customers and internal teams, improving issue resolution speed and stakeholder visibility.

System Test Manager/Engineer

Continental Automotive

01/2011 - 07/2020

South Korea, Singapore

Highlights

- **HIL Validation Leadership:** Managed a shared Hardware-in-the-Loop (HIL) platform supporting 9 concurrent ECU projects, optimizing utilization and ensuring comprehensive test coverage.
- **Vehicle Integration & System Validation:** Led vehicle level testing for powertrain control systems, validating ECU interactions under real world conditions and improving overall reliability.
- **Automation and Quality Assurance:** Enhanced regression testing throughput with automated test routines and maintained compliance with ASPICE and ISO 26262 standards for OEM readiness.

LANGUAGES

Korean	English	Japanese	Mandarin
Native or Bilingual Proficiency	Full Professional Proficiency	Limited Working Proficiency	Limited Working Proficiency

EDUCATION

M.Sc in Analytics

Georgia Institute of Technology

01/2022 - 05/2025

Georgia, United States

B.Sc in Mechanical Engineering

SungKyunKwan University (성균관 대학교)

03/2002 - 02/2011

Suwon, South Korea