Ryan Unger
Engineering Team Lead

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Summary

Technical leader with 5+ years of experience orchestrating automotive product launches and system design. Transitioned from an embedded systems background to a cross-discipline leadership role, utilizing a strong technical foundation to remove development blockers and align global engineering efforts.

Experience

VOLVO TRUCKS   Greensboro, NC
Lead HMI Engineer & Systems Engineer   *July 2025 – Present*

- Directing the HMI design for the North America introduction of the newest line of vehicles, ensuring alignment between product vision, vendor integration, and platform capability
- Leading thorough system design reviews for various functions throughout the vehicle
- Defining and owning the HMI roadmap, presenting solutions and feasibility analyses to leadership team to secure endorsement for feature integration
- Aligning technical execution across global development teams, translating high-level product requirements into actionable engineering specifications.

Product Owner & Engineering Team Lead   *Feb 2024 – July 2025*

- Served as Technical Lead and Product Owner for the successful launch of the Mack Medium Duty Electric and Volvo VNR Electric vehicle instrument clusters.
- Coordinated cross-functional teams of engineers to resolve critical blockers and ensure timely deliveries from vendor and in-house development teams.
- Managed a remote software development team, oversaw code deliveries, testing protocols, and resource allocation.
- Navigated stakeholder requests, balancing tight deadlines and release schedules with manager commitments to ensure quality deliveries and customer satisfaction.

Software Developer & Scrum Master   *Feb 2022 – Feb 2024*

- Developed safety-critical control logic using model-based development tools to ensure quality deliverables, straightforward HMI, and legal compliance.
- Contributed to a global codebase using git and bitbucket to collaborate with engineering teams across remote sites.
- Transitioned into a Scrum Master role, facilitating quarterly planning meetings and removing blockers for a team of 5 engineers.

JOHN DEERE   Cedar Falls, IA
Software Developer   *Aug 2020 – Dec 2021*

- Developed firmware for proprietary Engine Control Units
- Designed and executed rigorous test plans for experimental software deployed on test devices
- Created Simulink and C++ models to meet distinct development criteria.

Skills

Competencies: Product Life Cycle Management, Product Roadmap Strategy, Agile and Scrum Methodologies, Global Team Management, Stakeholder Management, Embedded Systems, HMI Design
Tools: Jira, Confluence, Microsoft Office, CAN / J1939, C, C++, Python, Simulink

Education

North Carolina State University
Bachelors of Science – Electrical Engineering & Computer Engineering (Double Major)