

Matt Manske

Sr. Director of Platform Software

🌐 New York, NY

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Current
(4 yr, 1 mo)

Divergent

divergent3d.com

SENIOR DIRECTOR, PLATFORM SOFTWARE

Directed several small teams of developers & scientists in various research & development applications spanning generative topology optimization, robotic assembly planning & additive manufacturing materials exploration.

DIRECTOR, MES SOFTWARE R&D

Led the strategic planning, growth & development for all internal manufacturing software platforms. Launched several cross-department initiatives to push automations throughout the production factory.

PLATFORM DEVELOPMENT MANAGER

Managed a series of internal applications to facilitate various research & development initiatives.



Dec 2020
(2 yr, 1 mo)

ProdPerfect

prodperfect.com

SENIOR PLATFORM MANAGER

Spearheaded the design & development of a series of platform applications to facilitate self-managed E2E test suite development & reporting.



Dec 2018
(6 mo)

Miro Health

mirohealth.com

SENIOR FRONTEND ENGINEER | ENGINEER MANAGER

Developed a suite of HIPAA compliant applications to assist in clinical neurological, psychiatric, & cognitive assessments. Managed an offshore team & assisted in hiring & onboarding in-house developers.



Oct 2015
(5 yr, 4 mo)

Polymathic

ACQUIRED BY DEVMYND

manske.me/polymathic

PARTNER | CTO

Built and led a product team of developers and support staff, driving product research and development, code architecture, and project management decisions for numerous startup and intrapreneurial ventures.

EDUCATION



May 2010

University of Wisconsin – Madison

wisc.edu

B.SC. FINE ARTS – WOODWORKING



May 2006

Johns Hopkins University

jhu.edu

AUDIO ENGINEERING JAZZ PERFORMANCE

SOFTWARE PATENTS



Aug 2024
(Granted)

Software interface for generating and optimizing vertical-cell robotic assembly sequences

US-20240288852-A1

A software package that mimics assembly floor hand-off patterns & real-time sequential decision making to accurately generate, visualize and replay assembly scenarios. In addition to the simulations, the software also utilizes a modified genetic algorithm to optimize for things like completion time and robot utilization. The package employs a unidirectional, flux-based data propagation pattern that ensures predictable state mutation to avoid race-conditions and allows for time-travel/replay functionality.

SELECT RECORDINGS



Mar 2024

Los Chechos

Añoranzas

CUMBIA CHICHA AFRO-PERUVIAN



Sep 2019

Immigré

Jakumaba

AFROBEAT HIGHLIFE WEST AFRICAN



Apr 2017

No Name String Band

Anytime

OLD-TIME BLUEGRASS FIDDLE TUNES

(more projects & details available at <https://manske.me>).