Matt Manske

Sr. Director of Platform Software

🌐 New York, NY

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SKILLS

LANGUAGES	TYPESCRIPT / JAVASCRIPT HTML5/CSS3 RUBY
FRAMEWORKS	REACT ANGULAR NESTJS REACT NATIVE EMBER RUBY ON RAILS
PRODUCT	RAPID PROTOTYPING USER VALIDATION DOCUMENTATION A/B TESTING
MANAGEMENT	ASSESSMENTS TEAM DELIGATION TECHNICAL SPECIFICATIONS
VISUAL	UI / UX DESIGN DATA VISUALIZATION WIREFRAMING
STACK	GRAPHQL POSTGRESQL MONGO PRISMA CI/CD

SELECT EMPLOYMENT

Divergent
divergent3d.com

Current
(4 yr, 1 mo)

SENIOR DIRECTOR, PLATFORM SOFTWARE

Managed the creation of integrated systems and data pipelines throughout the company. Directed daily operations of development and data teams, while partnering with executives and investors to shape and execute strategic initiatives.

DIRECTOR, MES SOFTWARE R&D

Spearheaded the design and development of internal manufacturing software platforms. Initiated and launched several cross-department projects to drive automation across the production factory.

PLATFORM DEVELOPMENT MANAGER

Led multiple internal applications to support research and development projects, while managing a small team of in-house developers.

ProdPerfect
prodperfect.com

Dec 2020
(2 yr, 1 mo)

SENIOR PLATFORM MANAGER

Led the design and development of a suite of platform applications to enable self-managed end-to-end test suite creation and reporting.

Miro Health

mirohealth.com

Dec 2018
(6 mo)

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.

Polymathic ACQUIRED BY DEVMYND

manske.me/polymathic

Oct 2015
(5 yr, 4 mo)

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

University of Wisconsin – Madison

wisc.edu

May 2010

B.SC. | **FINE ARTS – WOODWORKING**

Johns Hopkins University

jhu.edu

May 2006

AUDIO ENGINEERING | **JAZZ PERFORMANCE**

SOFTWARE PATENTS

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

Aug 2024
(Granted)

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.

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