



# Matt Manske

PRODUCT DEVELOPER








📍 Los Angeles, CA

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## SKILLS

LANGUAGES	TYPESCRIPT	JAVASCRIPT (ES6)	HTML5/CSS3	RUBY		
FRAMEWORKS	REACT	ANGULAR	EXPRESS	REACT NATIVE	EMBER	RUBY ON RAILS
PRODUCT	RAPID PROTOTYPING	USER VALIDATION	DOCUMENTATION	A/B TESTING		
MANAGEMENT	ASSESSMENTS	TEAM DELIGATION	TECHNICAL SPECIFICATIONS			
SERVICES	AWS	AUTH0	FIREBASE	STRIPE	SLACK	GOOGLE MAPS
VISUAL	UI / UX DESIGN	DATA VISUALIZATION	WIREFRAMING			

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

	<b>Divergent 3D</b> <small>\$88M CAPITAL RASIED</small> <a href="http://divergent3d.com">divergent3d.com</a>
Jun 2019	ANGULAR   MONGODB   TYPESCRIPT   MACHINE LEANING   THREEJS   NESTJS   WEBGL
	<b>Mitsubishi G-Tape</b> <a href="http://gtape.com">gtape.com</a>
Feb 2019	REACT   REDUX/SAGA   FIREBASE   WEBPACK
	<b>Miro Health</b> <small>\$5.2M CAPITAL RASIED</small> <a href="http://mirohealth.com">mirohealth.com</a>
Nov 2018	REACT   REDUX/SAGA   SPEECH RECOGNITION   WEBPACK   HIPAA   AWS   SSO
	<b>Safety Slate iOS</b> <a href="http://manske.me/safetyslate">manske.me/safetyslate</a>
Mar 2018	REACT NATIVE   REDUX/SAGA   TYPESCRIPT   WEBPACK   AUTH0
	<b>Hello Bar</b> <small>ACQUIRED BY CRAZY EGG</small> <a href="http://hellobar.com">hellobar.com</a>
Jun 2016	EMBER   RUBY ON RAILS   A/B TESTING   DATA VISUALIZATION   IMAGE PROCESSING
	<b>TwigTale</b> <small>\$1.2M CAPITAL RASIED</small> <a href="http://twigtale.com">twigtale.com</a>
Aug 2015	REACT   ALT/FLUX   RUBY ON RAILS   PDF GENERATION
	<b>PrettyQuick</b> <small>ACQUIRED BY GROUPON</small> <a href="http://groupon.com/beautynow">groupon.com/beautynow</a>
Nov 2014	EMBER   RUBY ON RAILS   GOOGLE MAPS API

# EMPLOYMENT



## Divergent 3D

[divergent3d.com](http://divergent3d.com)

Current  
(1 yr)

**SENIOR PLATFORM DEVELOPMENT MANAGER**

Lead a team of developers and scientists in various research and development applications spanning generative topology optimization, robotic assembly planning, & additive manufacturing materials exploration.



## Miro Health

[mirohealth.com](http://mirohealth.com)

Dec 2018  
(6 mo)

**SENIOR FRONTEND ENGINEER** | **DEVELOPMENT MANAGER**

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



## Manske LLC

[manske.me/portfolio/](http://manske.me/portfolio/)

Jun 2018  
(2 yr, 8 mo)

**PRODUCT CONSULTANT** | **APPLICATION DEVELOPER**

Independent contract developer & product consultant for a large range of start-up & intrapreneurial applications. Handled architectural design, product development and offshore team management. Featured examples are listed above.



## Polymathic

ACQUIRED BY DEVMYND

[manske.me/polymathic](http://manske.me/polymathic)

Oct 2015  
(5 yr, 4 mo)

**PARTNER** | **PRODUCT LEAD** | **DEVELOPMENT MANAGER**

Built a product team of a dozen developers & support staff. Lead product research & development, code architecture & project management decisions for dozens of startup & intrapreneurial ventures. Developed several large-scale javascript applications.



## University of Wisconsin – Madison

[wisc.edu](http://wisc.edu)

May 2010  
(3 yr, 4 mo)

**LEAD DEVELOPER** | **PROJECT MANAGER**

Lead a team of student developers in executing development parameters that included public institution 503 web accessibility standards & dated software environments.



## Johns Hopkins University

[jhu.edu](http://jhu.edu)

Aug 2005  
(1 yr, 1 mo)

**WEB DEVELOPER** | **WEB DESIGNER**

Designed & developed several support applications for student programs & structured educational programs for both student & staff web management policies.

## 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



Pending  
(Aug 2019)

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

ARON DERECICHEI MATTHEW MANSKE LUKAS CZINGER ANGELO SCANDALIATO

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. All code is written in Typescript and compiled to be run both in browser and Node environments.