# Matt Manske

### PRODUCT DEVELOPER

Los Angeles, CA

http://manske.me

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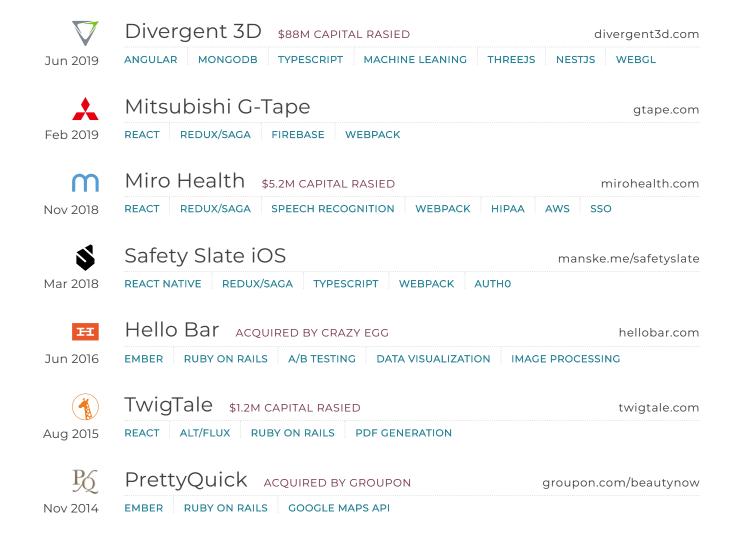
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@mattmanske 🕢

### **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 AUTHO FIREBASE STRIPE SLACK GOOGLE MAPS
VISUAL	UI / UX DESIGN DATA VISUALIZATION WIREFRAMING

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



#### **EMPLOYMENT**



Current

# Divergent 3D

divergent3d.com

#### SENOIR 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

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/

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

Oct 2015 (5 vr. 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

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

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**



# 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 vehicle assembly sequences

Pending (Aug 2019)

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 raceconditions and allows for time-travel/replay functionality. All code is written in Typescript and compiled to be run both in browser and Node environments.