

# Patrice Brooks

## Full Stack Software Engineer

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### SUMMARY

Industrial Engineer turned Full Stack Software Engineer who has a passion for leadership and organization. I have a keen eye for details and managing projects from beginning to end. As an IE, I focused my efforts on improving work flows and leader development. As a Software Engineer I will use those same concepts to write code that has great readability and consistency plus bringing an energetic and enthusiastic spirit to any team!

### EXPERIENCE

#### Software Engineering Immersive Flex | General Assembly | Remote | December 2020 – June 2021

Successfully completed 500+ hours of expert-led instruction in HTML, Javascript, React, MongoDB, Nodejs/Express, and Python.

Course projects include:

- **Blackjack21:** Built with HTML, Javascript, and CSS - Blackjack casino game without the risk
- **Maiden's Choice:** MVC Built with NodeJS, MongoDB, and CSS - Dog Toy/Treat Consumer Review App
- **{!Spotify}:** Built with NodeJS, MongoDB, ReactJS, and MusixMatch API - Music app for playlist creation
- **Pup Shop:** Built with MySQL, Express, ReactJS, NodeJS - Ecommerce App for pet needs

#### Senior Industrial Engineer | Denso Manufacturing TN | Maryville, TN | June 2017–Present

- Procured and managed multiple projects with budgets over \$0.5 million resulting in successful plant planning and ideal material flow.
- Reduced conveyance headcount from 10 to 6 associates with the introduction of electric PIV which had a ROI of less than one year, saving \$416k per year.
- Used Agile methodologies to lead multiple cross functional teams focused on new product planning, packaging, plant expansion, and automated guided vehicle (AGV) implementation.
- Designed and managed the start up of a new product packing area, resulting in an annual savings of \$400k per year, plus space savings of 6,400 sq ft within the production area.

#### Graduate Assistant | Indiana Tech Residence Life | Fort Wayne, IN | May 2016 - May 2017

- Assisted in staff development by supervising, training, and evaluating performance of 26 Resident Assistants.
- Managed the department's operating budget of \$50K and assisted in planning 40+ events.
- Provided direct supervision over the Peer Educator Intern.

#### Manufacturing Intern | Brunswick Fort Wayne Operations | Fort Wayne, IN | May 2015 - August 2015

- Created standardized work for furniture assembly, resulting in a more straightforward new associate training.
- Designed and manufactured a cart to reduce scratches during handling and transportation of fences.
- Collected time study data to support justification for a \$100K capital investment purchase of measurement equipment to increase production of fence cutting.

### EDUCATION

#### General Assembly | Software Engineering Immersive | Remote | 2021

#### Master of Science Engineering Management | Indiana Tech | Fort Wayne, IN | 2017

#### Bachelor of Science Industrial and Manufacturing Engineering | Indiana Tech | Fort Wayne, IN | 2016