

# James Shockley

Software & Data Engineer

## SUMMARY

Creative, detail-oriented, software engineer and systems architect with a deep respect for the value of data. Proven track record of managing, supporting, and developing data and systems architectures for over \$1 billion combined investment in manufacturing ramp-ups. Looking to bring my skills to a data-driven organization.

## WORK EXPERIENCE

### Software & Data Engineer (Connectivity Architect) at BOSCH, Anderson SC

November 2019 — Present

- Designed the data & system architecture for the \$600 million investment in North American Hydrogen Fuel Cell production in Anderson, SC.
- Designed, developed & operated event-driven data pipelines to enable AI-powered self-adjusting machines, optimizing to the current production environment
- Develop, automate, and maintain the AI model training & release pipeline for Automated Optical Inspection processes
- Democratized data availability to drive insights for engineering & operations by parsing and consolidating unstructured data into a data warehouse
- Develop and maintain full-stack web applications and REST API's for data collection via manual or bespoke processes

### Full-Stack Software Engineer, Freelance, Greenville SC

January 2022 — Present

- Work in tandem with clients to develop web sites from start to finish that embody their brand and enhance their business
- Focused on creating responsive, accessible, and easy-to-read sites in a timely manner for customers
- Managed multiple projects and deadlines while maintaining client contact, weekly updates, and maintenance

### IT Shopfloor Specialist & IT Engineering Intern at Mercedes-Benz, Charleston SC

Apr 2017 — Oct 2019

- Supported the system architecture landscape for the \$500 million ramp-up to part-by-part sprinter production for North America, ensuring changes met business needs
- Supported the rollout of Gepard, the new Daimler manufacturing execution system, for the Charleston body shop.

#### Recent Projects:

#### MovieSquad.net (Fullstack Web App- React, Node.js, Express.js, MongoDB)

Facilitating film conventions, watch parties, and movie nights at any scale. MovieSquad allows users to share watchlists between multiple other users across platforms and streaming services.

## CONTACT

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## SKILLS

HTML

CSS

Javascript

React

Node

Python

Flask

SQL + ORM

MongoDB

PostgreSQL

SQL Server

Oracle

Kafka

OOP

## EDUCATION

College of Charleston

2012 - 2016

Major: Computer Science

## EXTRAS

CodeForGreenville.org

2022 - (current)

Individual contributor