

James Shockley

Software Engineer

SUMMARY

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

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. Currently leading the 3-year development plan for realization
- Designed, developed & operated event-driven data pipelines to enable AI-powered self-adjusting machines, optimizing to the current production environment
- Democratized data availability to drive insights for engineering & operations by parsing and consolidating unstructured data into a data warehouse
- Interfaced with upstream big-data systems to prepare large data sets for historical analysis using either on-premise technologies like Hadoop, Spark, and Impala, or cloud technologies like Azure Databricks.

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 content, weekly updates, and maintenance

IT Enterprise Architect at Mercedes-Benz, Charleston SC

Apr 2017 — Oct 2019

- Managed the system architecture landscape for the \$500 million ramp-up to part-by-part sprinter production for North America, ensuring changes met business needs
- Developed AR training proof-of-concept/ demo using Unity3d & Microsoft HoloLens

Recent Projects:

MovieSquad (Fullstack Web App) – moviesquad.net

Facilitating film conventions, watch parties, and movie nights at any scale. MovieSquad allows users to share watchlists between multiple other users, recommend the intersection, and fine tune by individual votes in the watch party.

CONTACT

704.999.0344

[shockleyje@](mailto:shockleyje@protonmail.com)

[protonmail.com](mailto:shockleyje@protonmail.com)

shockleyje.com

shockleyje.com/github

shockleyje.com/linkedin

[@Shockley_JE](https://twitter.com/Shockley_JE)

SKILLS

HTML

CSS

Javascript

React

Node

Python

SQL + ORM

MongoDB

PostgreSQL

SQL Server

Oracle

OOP

EDUCATION

College of Charleston

2012 - 2016

Major: Computer Science

