

Mason Daniel

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SUMMARY

Motivated data engineer with 2 years of professional experience in developing data pipeline processes. Maintains high-volume, distributed data applications daily, and enjoys learning all things data.

EXPERIENCE

Data Engineer

July 2020 – Present

General Motors

Austin, TX

- Became lead developer of a data pipeline process written in Java that processed and batch loaded over 30 billion records from Hadoop to a database per day, with 99.9% SLA attainment
- Designed and developed a Java application that cleaned 5000+ tables of data per day via Apache Spark
- Containerized 2 Java applications and 3 Java Spring Boot APIs to a Docker & Kubernetes environment as part of the next generation platform for internal company clients, resulting in 24/7 uptime
- Created a Java Spring Boot microservice API that received over 1 million http requests per day
- Appointed as the point of contact for the pipeline process and took ownership of all development within 7 codebases
- Coordinated application road map, on a weekly basis, to ensure the software was constantly improving to users needs

Full Stack Developer

May 2020 – August 2020

Southwestern University

Georgetown, TX

- Hired by the University's Study Abroad Director to clean datasets of potential study abroad programs, and build a web application allowing students to view them via filter-based search
- Cleaned over 20000 rows of Google sheet csv data using Apache Spark
- Implemented the React front-end and back-end for the web application, utilizing a PostgreSQL database for data storage
- Held regular meetings with the client to adapt the product to their needs
- Shipped the application July 2020, which served as a prototype for a later implementation utilizing the University's website CMS

SKILLS

Java, Apache Spark, Kubernetes, Docker, SQL, Google Cloud Platform, Amazon Web Services, PostgreSQL, JDBC, Spring Boot, Linux, node.js, Git

PROJECTS

DataLake with Amazon Web Services | Python, Apache Spark, AWS, S3

- Built a local ETL pipeline that processed raw data from S3 into business-defined analytic tables, in order to simulate a real-world, data-driven solution
- Leveraged Apache Spark to read, process, and write the data, allowing for the future possibility of scaling the pipeline's throughput with ease
- Employed data modeling techniques to ensure that data analysts could provide all necessary business insights

EDUCATION

Southwestern University

Bachelor of Arts in Computer Science

Georgetown, TX

Aug. 2016 – May 2020