Andrew Sosa

Lead Software Engineer/Data Engineer

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Education

M.S. in Computer Science, Florida State University
Aug 2016 – May 2018 Tallahassee, FL

B.S. in Computer Science, Florida State University
Aug 2012 – May 2016 Tallahassee, FL

Relevant Experience

Lead Full Stack Engineer @ L3Harris Technologies
Sep 2019 – Present // Melbourne, FL

- Iteratively releasing internal React + Django application targeting L3Harris leadership reducing company-wide bid time by >66%.
- Key contributor in milestone planning (all deadlines met 10% ahead of schedule to date).

Lead Data Engineer @ L3Harris Technologies
May 2018 – Present // Melbourne,FL

- Led teams in tasking, choosing technologies, managing deadlines, and setting expectations with customers.
- Designed/implemented incremental ETL from Oracle EBS to HDFS/Hive via Sqoop, PySpark, Airflow with Dremio front end.
- Designed/implemented real-time streaming pipeline of factory floor machine logs to MongoDB via Node.js and Python microservices.
- Implemented ELT pipeline with PySpark on Hadoop Data Platform to compute company-wide engineering metrics (7 disciplines across all 4 segments) for VP-level consumption via Tableau.
- Researched and trained teammates on automating pipeline via Apache Airflow and Spotify's Luigi pipeline frameworks.

Volunteer Developer @ FSU ACM & HackFSU
Spring 2015 – Fall 2018 // Tallahassee, FL

- Led teams of students to create Python (Flask, Django), JavaScript (React, Express), and Java (Android) apps facilitating hackathons & competitions with >3000 attendees total.

Software Intern @ State Farm
May 2016 – Aug 2016 // Atlanta, GA

- Prototyped credit card scanner module for Pocket Agent Android app.
- Invented, designed, and implemented internal Android & iOS apps.

Skills

Data Engineering/Big Data
Apache(s) Airflow, Spark, HDFS, Hive and Kafka, Hadoop, Dremio, PostgreSQL, MongoDB.

Programming Languages
Python, Javascript ES6, HTML, SASS/CSS, Java, C/C++.

Other Tools & Platforms
Git, Django, Pytest, Flask, Node.js, React, Express, Next.js, Gatsby, Docker, Redis.

Projects

stargazer.now.sh (2020)
Web app to find friends on Github. Next.js app with Github OAuth.

dev-tools (2019)
Node.js script published on NPM to automate workspace setup with linters & formatters with plugins.

Contest-Server (2018)
Flask app for event registration. MongoDB backend, >300 users every fall/spring since 2016.

More at github.com/andrewsosa.

Community

HackFSU
Software Director (2018)

FSU ACM
President (2016 – 2017)
Secretary (2014 – 2016)