

# Gregory Smith

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## Experience

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**SalesPage Technologies, LLC**

*Data Engineer*

**Kalamazoo, MI**

*Mar 2019 – Present*

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### **Data Service**

- Built out data processes for a new data service product offering and collaborated with 2 teams and C-level executives to successfully launch the service from beta to production in under 3 months.
- Optimized data service ETL/ELT pipelines that resulted with an average 600% speed-up and ramped up development & testing velocity to reach project deadlines.

### **Master Data Management Platform**

- Developed a platform-wide fuzzy matching solution in Java and Groovy that enriched data insights by linking ~15% of unaccounted-for data; this solution achieved a 98.9% match rate on two sets of 1,000,000 records in under 10 seconds.
- Implemented efficient bulk data quality processes in Java & SQL Server that standardizes data flowing through all ETL pipelines.
- Architected and delivered a fast & flexible data extraction solution in Java using multi-threaded JDBC connections that was designed to quickly adapt to a client's ever-changing requirements.
- Led efforts to improve code and pipeline documentation coverage by 15%.
- Enhanced developer efficiency over 10% by replacing manual pipeline debugging and testing efforts with a common set of development tools.
- Drove down the total time of a client's vital data migration/conversion from ~4 days to ~12 hours by learning Oracle & batch scripting on the fly and automating the largely manual process to an optimized, parallel data process using batch scripts, Oracle, & SQL Server.

## Education

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**Georgia Institute of Technology**

*Pursuing MS in Computer Science (Computing Systems)*

**Remote**

*In Progress*

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- **Motivation:** To expand knowledge & expertise in algorithms, software architecture/design, parallel computations, and machine learning techniques.
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**Western Michigan University**

*BS in Data Science with Minor in Computer Science – Cum Laude*

**Kalamazoo, MI**

*Apr 2019*

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- **Graduate-level coursework:** Machine Learning; Artificial Neural Networks; Parallel Computations; Applied Data Mining; Big Data Analysis; Regression Analysis; Computer Based Data Analysis.
- **Undergraduate-level coursework:** Data & File Structures; Web Technologies; Python Programming; R Programming for Data Science; Big Data Storage & Retrieval.

## Languages & Technologies

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- **Languages:** Scala; Java; Python; Groovy; R; Batch; Bash.
- **Databases:** SQL Server; Oracle; Hive.
- **Build Tools:** Ant; Maven; Gradle; SBT.
- **Other:** Spark; Hadoop; Linux (Debian-based); SVN; Git.