

MICHAEL STASZEL

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OBJECTIVE

Software engineer and tech lead with management experience. 8 years of experience in the data ecosystem - Python, Apache Spark, and AWS are my areas of expertise. 2 years of software engineering management experience, leading a small team of data engineers, working cross-functionally with data scientists and product owners.

EDUCATION

Georgia Institute of Technology

Master of Science in Computer Science

August 2019 - Present

(expected December 2022)

University of Illinois, Urbana-Champaign

Bachelor of Science in Computer Science

August 2010 - May 2014

EXPERIENCE

Nielsen

Tech Lead

March 2020 - Present

- Lead Nielsen Impact data pipelines - a standardized external data ETL pipeline.
- Maintain technical integration partnerships and develop solutions with external data vendors.
- Collaborate with internal stakeholders on development of data marts, quality checks, alerts, and visualizations.
- Developed a process for Nielsen Attribution products to easily access TV data at the household level to determine advertising effectiveness and ROI.
- Manage a team of software engineers, guiding them through planning, developing, testing, and releasing production features.
- Scope and plan work across tech and product, prioritize requests and turn them into roadmaps and backlog items for engineering sprints.
- Work with engineering leadership to implement software engineering best practices and encourage cross-team collaboration and knowledge-sharing.
- Lead an internal "Kubernetes Working Group", organizing a group of engineers interested in getting hands-on experience with k8s.

Nielsen

Sr. Software Engineer

November 2017 - March 2020

- Worked with data scientists, software engineers, and stakeholders on the Multi-Touch Attribution (MTA) product.
- Led cloud migration efforts to migrate on-premise Hadoop and Spark jobs to AWS.
- Implemented a tamper-proof analytics solution deployed in partner data centers.
- Rewrote legacy SAS code into Apache Spark, allowing the team to eliminate license costs.
- Mentored a summer intern software engineer, teaching him about the Python ecosystem and software development best practices.

Rise Interactive

December 2015 - November 2017

Lead Software Engineer

- Built a horizontally-scalable ETL pipeline using Apache Spark to ingest partner data.
- Implemented a real-time event tracking pipeline to feed machine learning algorithms.
- Worked with data scientists on a daily basis to implement machine learning algorithms using Apache Spark.
- Integrated SimpleRelevance systems with Rise Interactive post-acquisition.
- Led cloud migration efforts from Microsoft Azure to Amazon Web Services, utilizing EC2, EMR, S3, and other Amazon services to power machine learning pipelines.
- Mentored junior engineers in programming methodology and best practices on a daily basis.

SimpleRelevance

May 2014 - December 2015

Lead Software Engineer

- Developed customer-facing APIs to ingest customer, product, and event data into a data warehouse.
- Designed and implemented an API to export machine learning predictions to clients in real time.
- Integrated with various email marketing services and e-commerce platforms to ingest and export marketing data.
- Led development of a highly-available link shortening, tracking, and analytic service.

TECHNICAL STRENGTHS

AWS Certified Solutions Architect • Python • Kubernetes • Apache Spark, Hadoop, Cassandra, Airflow • AWS EMR, EC2, CloudFormation, Lambda, CodePipeline, Glue, Athena • Linux • Django • Java • Go • MySQL