

# MICHAEL STASZEL

mike@mikestaszel.com

mikestaszel.com • github.com/mikestaszel • linkedin.com/in/mikestaszel

## OBJECTIVE

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To obtain a software engineering or architecture position on a motivated team that takes pride in their work. I want to be able to take a business need from planning through design, implementation, testing, and production while working closely with stakeholders and other engineers.

## EDUCATION

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**University of Illinois, Urbana-Champaign**

*August 2010 - May 2014*

Bachelor of Science in Computer Science

College of Engineering

## EXPERIENCE

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**Nielsen**

*November 2017 - Present*

*Sr. Software Engineer*

- Worked with data scientists, data engineers, and stakeholders on the Multi-Touch Attribution product.
- Implemented research papers as production code.
- Led cloud migration efforts to move portions of the on-premise Hadoop jobs to AWS Elastic MapReduce.
- Architected and developed a verified code execution environment delivered to a client.
- Mentored engineers, guiding them through planning, developing, testing, and releasing production features.
- Worked with stakeholders and consultants to automate manual processes and rewrite legacy SAS code into Apache Spark.

**Rise Interactive**

*December 2015 - November 2017*

*Lead Software Engineer*

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

**SimpleRelevance**

*May 2012 - 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.
- Developed Ansible automation to provision and manage Linux servers on Amazon Web Services.
- Worked directly with clients to achieve their goals and deliver performance reports.

## **TECHNICAL STRENGTHS**

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AWS Certified Solutions Architect • Python • Apache Spark • Apache Hadoop • Apache Cassandra  
• Apache Kafka • Apache Airflow • RabbitMQ • Linux • Amazon Web Services • Django • Java  
• Go • MySQL • Ansible • L<sup>A</sup>T<sub>E</sub>X

## **COURSEWORK**

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Software Engineering • Computer Architecture • Parallel Programming • Algorithms • Programming Languages & Compilers