

Luke Hospadaruk

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Experience

Ithaka/JSTOR - Software Developer - Ann Arbor, MI

March 2010 - Present

Worked with multiple teams on a variety of projects, primarily designing and building systems for handling large amounts of content and usage data.

- Design and build large search systems end-to-end, including a complete replacement for the main JSTOR search engine to dramatically increase performance and reliability.
- Architect data logging and data warehouse systems for collecting and processing time-series data from distributed systems.
- Develop and maintain systems for providing text-mining datasets to researchers and partners.
- Focus on rapid deployment cycles and continuous integration. Most active projects see several prod deployments per day.
- Provide dev support for critical process to assure high uptime.

Michigan State University - Research Programmer - East Lansing, MI

March 2009 - March 2010

Worked as a research programmer in the psychology department, assisting in the design and technical execution of behavioral experiments including fMRI data analysis.

- Assisted with research on classification techniques for fMRI data leading to publication in the Journal of Neuroscience.
- Programmed visual stimuli for behavioral psychology experiments.
- Built distributed systems for processing fMRI and behavioral data.

Technical Skills

- Extensive experience with Apache SOLR search platform.
- MapReduce, Spark, Hive, and other Hadoop tools for big data processing.
- Amazon Web Services (AWS) for building complex, resilient, service-oriented systems.
- Apache Kafka for real-time message passing and event processing.
- Apache Cassandra & DataStax Solr+Cassandra integration.
- Continuous integration with Jenkins CI
- Experienced in Agile development methodologies.
- Language Experience:
Java, Python, Javascript, HTML/CSS, Javascript, SQL, Groovy, Matlab/Octave, R, C/C++
- Other Tools/Platforms:
Django, Spring, Apache Samza, AngularJS, JQuery, Bootstrap, Foundation, Spring

- Collaboration Tools: JIRA, Github, HipChat