

# Michael J. Lewis

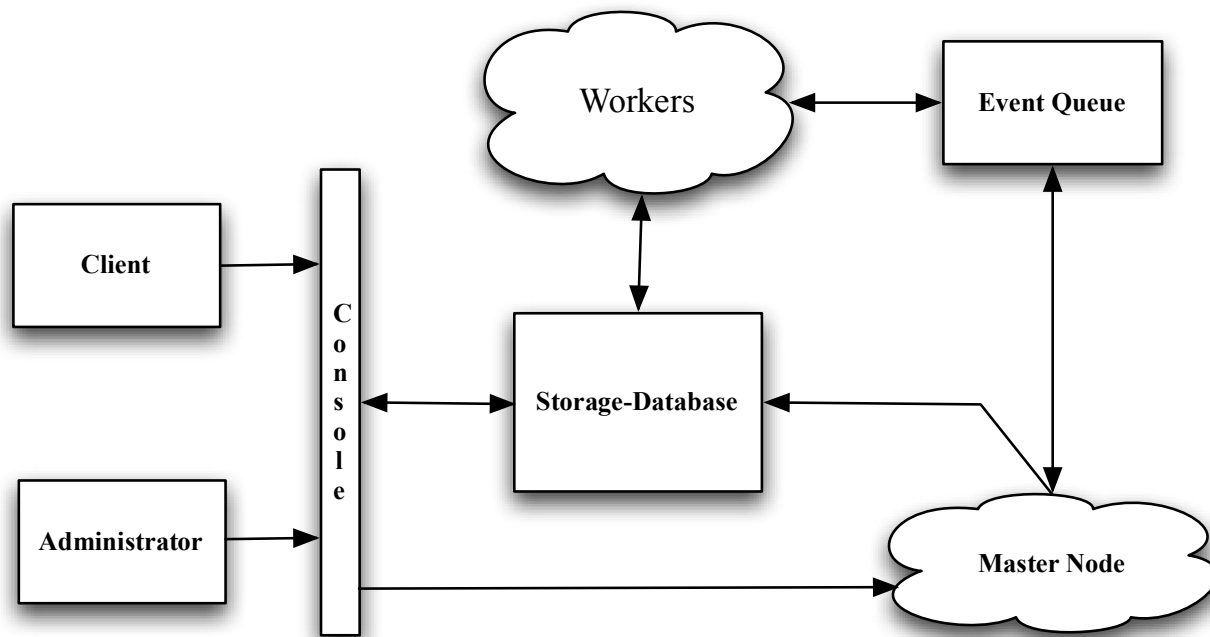
## (University of Illinois At Chicago - UIC)

- Ph.D. Candidate at UIC.
- Area of interest: Cloud Computing & Large Scale Distributed Systems.
- Current research: Classification of large scale distributed workflows.

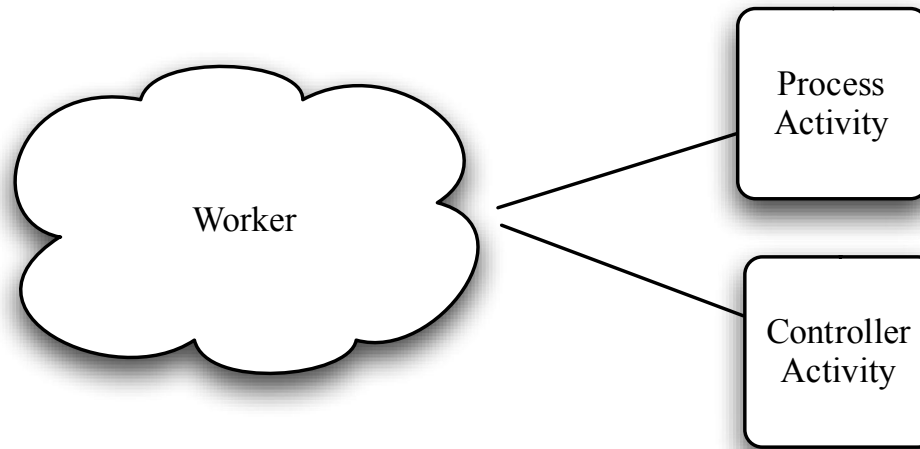
# Worker Role

- Research goals:
  - To define workflow characteristics.
  - Create a customizable framework for workflows.
  - To experiment with different workflows on different systems.

# Distributed workflow



# Worker Activities



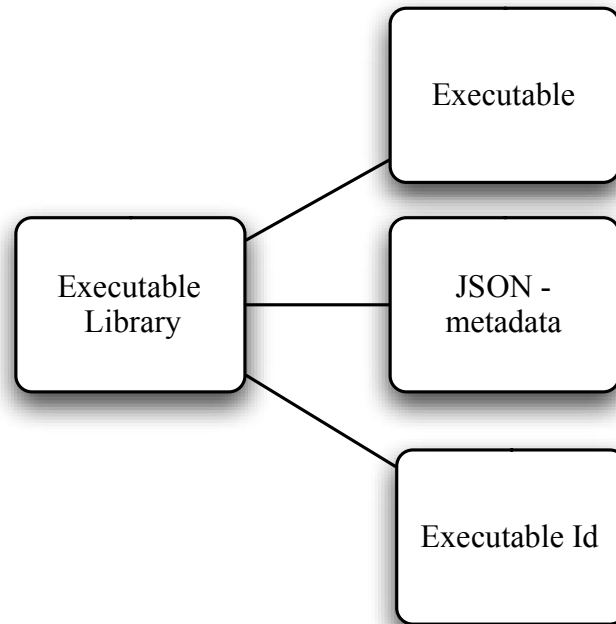
## Process Activity

- Contains the executable id's.
- Server polls for JSON packaged events
- Provides the JSON string as input to the selected executable id.
- JSON based output goes to the event queue.

## Decider Activity

- Contains controller executable
- Polls for packaged events
- instruction on what range of data to retrieve
- apply logic on the data processed on each stage.

# Executable Library



Certificate: Digital id framework

Two different executable types: processor, controller

Executable server, user can choose their analytics, and structure flow