Connected Data London 2024 Workshop Outline

Please use this as a template to format your submission. See this Workshop for a reference on how your submission will look like.

Name

Knowledge Graphs in the Enterprise – What You Need to Know

Description

Most Major Companies are Exploring or Using Knowledge Graphs

Knowledge Graphs are at the top of the Garter AI Hype Cycle

But Knowledge Graphs are much more than hype!

Knowledge graphs are a mature technology used in large scale deployments.

Anyone heard of Google, Facebook, Alibaba, or Uber?

Knowledge graphs address major weaknesses in traditional relational technology.

These weaknesses are major drivers for silos, the bane of every enterprise.

Knowledge Graphs are being deployed in a large variety of industries, including financial services, information technology, health care & life sciences, manufacturing and media.

Common use cases include data harmonization, search, recommendation, question answering, entity resolution, provenance, & security..

Key Topics

- What are Knowledge Graphs good for?
- Supporting technologies
- How can I get started?
- What roadblocks should I watch out for?

Target Audience

- Chief Data Officers
- Data Scientists
- Data Modelers
- Technical Managers

Goals

- Explore the interplay between machine learning and knowledge based technologies
- Answer questions that matter
    - How can those approaches complement one another, and what would that unlock?
    - What is the current state of the art, how and where is it used in the wild?
    - What are the next milestones / roadblocks?
    - Where are the opportunities for investment?

Session outline:

- Introduction
    - Meet and Greet
    - Setting the stage
- Why Knowledge Graphs?
    - What kind of problems can we solve by using knowledge graphs?
    - What kind of problems are not best solved with knowledge graphs?
    - How are knowledge graphs any better than relational technology?
    - How do knowledge graphs address the problem of silos?
    - What are some real world examples of knowledge graphs in the enterprise?
- Putting a Knowledge Graph in Your Enterprise
    - Where does the data come from to populate knowledge graphs?
    - Who are the major vendors for knowledge graph technology?
    - What are some common technology stacks used in knowledge graph deployments?
    - What skills are required to deploy a knowledge graph application?
    - Are the skills readily available in the workforce?
    - What is the breadth and depth of tooling for knowledge graphs?
    - How good are knowledge graph visualization tools?
    - How well do knowledge graphs scale?

Format

- Extended panel
- Expert discussion, coordinated by moderator
- 2 hours running time
- Running time includes modules of expert discussion, interspersed with modules of audience Q&A / interaction

Level

- Intermediate

Prerequisite Knowledge

- Basic understanding of Knowledge Graphs & Databases will be helpful