University of Pavia

Ph.D. School of Electrical and Electronics Engineering and Computer Science

SEMINAR

The Data Driven Approach & Data Intensive Applications: the Data Platform's paradigm and its layers. In deep, the Ingestion layer and a reliable Push-API microservice.

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Thursday June 16th @ 11.00 am
Classroom B4

Abstract:

The Data Driven Approach's evolution, from paper support to the cloud, was fast and involved different remarkable steps. File system, Database and then Data Warehouse are several of the most important ones. From the legacy features of these technologies, a new paradigm is born: the Data Platform. The Data Platform is a data intensive application generally with a huge amount of data and specific time constraints. Furthermore it's an ecosystem, composed by different layers and components that cooperate to achieve and perform all the required actions on data. The basic paradigm is composed by 4 different layers, each one with a specific purpose: (i) ingestion; (ii) Processing; (iii) Storage; (iv) Serving. After the Data Platform's paradigm overview, an example of a reliable Push-API microservice is shown; with logging, monitoring and metrics.

Bio: Graduate at Biomedical Engineering at the University of Pavia, currently i'm working as a Solution Architect at Data Intelligence at NTT-Data Italia. In love with data, computer science, programming languages, algorithmics and sports. Only data matters, no opinions allowed.

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