ILYA ZUBKOV

Data Engineer (Python)

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🕐 CET (UTC +1) Timezone

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in ilya-zubkov-forall

○ izubkov

📄 Resume PDF

EDUCATION

MSc in Physics
Moscow State University
2003 - 2009

LANGUAGES

English (Fluent)

Spanish (Intermediate)

Catalan (Elementary)

INTERESTS

Mountain biking

Swimming

Hiking

Running (beginner)

Math

👤 CAREER PROFILE

I'm a Data Engineer / Python Developer with keen interest in Systems Design and Architecture.

🔧 SKILLS & PROFICIENCY

Python

PostgreSQL

Spark

Airflow, Docker

Systems Design

AWS

🎓 EXPERIENCES

Integration Engineer   2019 - Present
Mercaux, Barcelona

Design and development of robust ETL system specializing in delivery data from B2B clients to Mercaux REST API. Implementation of EDA (exploratory data analysis) workflows within JupyterHub environment.

- Python, PostgreSQL
- JupyterHub
- Spark, Dask
- Airflow
- Docker
- AWS (EMR, EC2, S3, IAM)

Lead Data Engineer   2018 - 2019
Mercaux.AI, Hong Kong

Lead the development of high-load machine learning system that correlates clickstream users data to their Big 5 psychology traits.

- Spark, MLLib
- Tensorflow, Keras
- tidyverse, pandas, numpy
- AWS (EMR, EC2, S3)

Software Developer   2012 - 2017
Kraftool GmbH, Moscow

Design and development of a multi-agent simulation for an automatic warehouse.

- numpy, networkx, matplotlib
- PyQt
- Redis

Software Developer   2009 - 2011
OAO "Brit", Moscow

Development of a game portal as a part of an in-house social network project. 3D games development.

- Erlang
- RabbitMQ
- WebGL, Blender

Research Engineer   2009
ITAE , Moscow

Development of laboratory software for radiolocation studies.

- C++
- Matlab
- LabView

🎓 COURCES & WORKSHOPS

Computer System Engineering (6.033)   2019
Massachusetts Institute of Technology

SAT/STM Solving (PS2 SS 2018 703048)   2018
University of Innsbruck (Department of Computer Science)

CMU Deep Learning (CMU 11-785)   2018
Carnegie Mellon University

PPAML-2016   2016
Galois inc.