

Mark Litwintschik

British / Canadian Dual-Citizen

Perm. Residence in Estonia (EU & Schengen Member State)

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Education

University of California, San Diego

April 2016

Hadoop Platform & App Framework Certificate

University of Amsterdam

May 2016

Basic Statistics Certificate

Johns Hopkins University

May 2016

R Programming Certificate

École Polytechnique Fédérale de Lausanne

June 2016

Functional Programming in Scala Certificate

Udacity

August 2016

Deep Learning with Google's TensorFlow

University College London

March 2008

Estonian Language Certificate

Technical Skills

Backend, Frontend & Cloud

Python, Django, Flask	> 10 Years	Expert
FastAPI	2 Years	Expert
C & C++	> 5 Years	V. Good
GoLang	3 Years	Expert
Rust	1 Year	Expert
HTML, CSS, JavaScript	> 10 Years	Expert
Git	> 10 Years	Expert
AWS & GCP	> 10 Years	Expert

Data & AI

Airflow	> 5 Years	Expert
AWS EMR & Athena	> 5 Years	Expert
BigQuery	> 5 Years	Expert
ClickHouse	> 5 Years	Expert
Elasticsearch, Solr	> 5 Years	Expert
GCloud Dataproc	2 Years	Expert
Hadoop (YARN, HDFS & Hive on Cloudera & HortonWorks)	> 10 Years	Expert
Jupyter Notebook	> 5 Years	Expert
Kafka	> 5 Years	Expert
kdb+/q	2 Years	Good
MapD / OmniSci	> 5 Years	Expert
Memcache, Redis	> 10 Years	Expert
MS SQL Server	> 5 Years	Expert
MySQL, MariaDB	> 10 Years	Expert
Pandas	> 5 Years	Expert
PostgreSQL	> 10 Years	Expert
Presto / Trino	> 5 Years	Expert
R, RStudio	> 5 Years	V. Good
Redshift	> 5 Years	Expert
Spark	> 5 Years	Expert
SQLite	> 10 Years	Expert
Tableau	> 5 Years	Expert
TensorFlow	3 Years	Expert

Work Experience

Big Data Consultant

2011 – Present

London, UK

I specialise in big data, machine learning and deep learning platform engineering. I've designed and deployed clusters with hundreds of nodes, worked with datasets measured in petabytes and built data pipelines handling 10s of billions of records per day. I've delivered a large number of projects and POCs on AWS, Google Cloud and Azure for several global brands.

Over the past few years, I've completed work for two airlines, two UK supermarket chains, the largest Investment Bank in Switzerland and France's biggest mobile ad buyer. Some of my more well-known clients, end-clients and partners include Bank of America Merrill Lynch, British Telecom, Ford, Google, the Guardian, LeoVegas, Nando's, News UK, Nokia, The Royal Mail, Wise and UBS.

I also run a popular big data tech blog <https://tech.marksblogg.com/> where I benchmark various databases against a dataset of 1.1 billion NYC taxi trips. My benchmarks have been reviewed by the likes of Google¹, IBM², Intel³ and Nvidia⁴.

¹ <http://bit.ly/29o94bN> ² <https://ibm.co/2ixsPgc> ³ <http://intel.ly/2vvUPeU> ⁴ <http://bit.ly/2ozsZPI>

Fullstack Web Developer

Bloomberg

2009 - 2011

London, UK

I was a senior full-stack web developer for Bloomberg New Energy Finance. I also built a high-volume transactional email service and integrated Adobe LiveCycle DRM system into the firm's systems.

Fullstack Web Developer; Technical Manager

blue barracuda marketing ltd.

2004 - 2008

London, UK

I delivered several projects for a wide range of end clients. The LAMP stack was prominent in most of our solutions.

Our end clients included: Angels, Austin Reed, BAA, Barchester, BlackBerry, Buy Cosmetics, Danone, ELC, Fat Face, Financial Times, Goldsmiths, Hamleys, Harrods, ISBA, ITV, Krispy Kreme, Laithwaites, LOVEFiLM, Nectar, NMA, Noble House Media, Novus, Office World, Pizza Hut, PricewaterhouseCoopers, Royal Bank of Scotland, Staples, T-Mobile, TGI Fridays, The Banker, UKTV, Williams Formula 1, Xerox and Visit London.