



Dávid Szakállas

Software Engineer

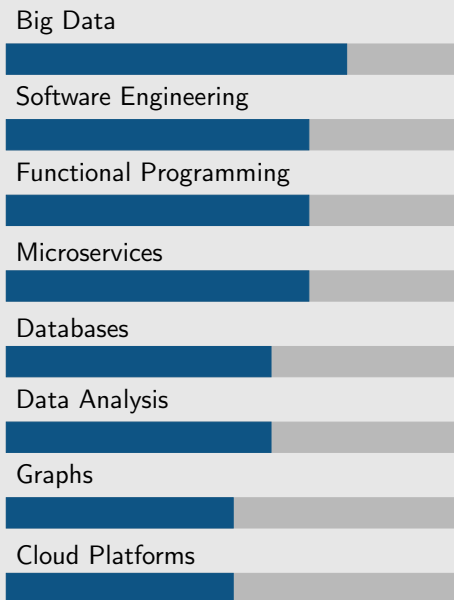
- Budapest, Hungary
- +36306266558
- <https://szakallas.eu>
- david.szakallas@gmail.com

About me

Software engineer with experience in distributed data processing and back-end service development with strong preference for functional programming and type safety.

I have a M.Sc. in Computer Science Engineering and 5 years of experience in various areas ranging from backend development to data engineering.

Skills



Scala*5 Apache Spark*4.5 Git*4
 Node.js*4 JavaScript*4 SQL*4
 Python*4 Linux*3 Docker*3
 Kubernetes*3 C++*2 Clojure*2 *

(*)[The skill scale is from 0 (Fundamental Awareness) to 6 (Expert).]

Interests

I focus on developing distributed data ingestion and machine learning pipelines on cloud platforms using common open source technologies. I am keen on delivering automated, well-engineered solutions to mission-critical processes. I am a polyglot, having worked with several languages and prefer to use Scala, Python and JavaScript. I also have a basic foundation of statistics, machine learning and related technologies e.g., R, numpy, pandas, scikit-learn. I am a functional programming and type system enthusiast.

Education

- 2015 – 2018 M.Sc. in CS Eng. Budapest University of Technology and Economics
Thesis: Evaluation of openCypher graph queries with a local search-based algorithm
- 2011 – 2015 B.Sc. in CS Eng. Budapest University of Technology and Economics

Experience

- Oct 2017 – now Data Engineer Ekata (formerly Whitepages Pro) (Budapest)
Developing a mission-critical data ingestion application in Apache Spark. Developing platform libraries for file I/O and caching for Apache Spark. Orchestrating an ML pipeline with Apache Airflow, Kubernetes, Helm and Databricks. Developing a rapid ML feature prototyping application for data scientists.
- May 2017 – Oct 2017 M.Sc. Student Budapest University of Technology and Economics
Developing a local-search based pattern-matching engine in Clojure for ingraph, an open-source incremental graph query engine for openCypher.
- Jan 2016 – May 2017 Software Engineer RisingStack (Budapest)
Developing the monitoring agent in Node.js. Developing the back end microservices of the distributed tracing feature. Gaining experience in industry-standard distributed tracing technologies such as OpenZipkin, OpenTracing and Google Dapper.
- Nov 2014 – Aug 2015 Technology Intern Morgan Stanley (Budapest)
Developing an application for analysing logs of an internal messaging system for my Project Laboratory assignment using the ELK stack, Scala and relational DBs. Working on a financial application.

Other information

Public speaking

- Oct 2018 Spark+AI Summit EU – Spark Schema for Free
- March 2018 Budapest Clojure – Writing a Cypher query language in Clojure
- July 2017 NodeBP Meetup – Scripting a MIDI controller in JavaScript

Languages

- Hungarian Native language
- English Professional working proficiency
- German Basic proficiency