JONNY LANGEFELD
DATA ENGINEER

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I am a data enthusiast and end-to-end developer of complex, global data solutions in an interdisciplinary environment of (predictive) Analytics, Big Data and (automotive) software development. My thorough hands-on experience in global teams with IBM and Mercedes-Benz is built upon numerous projects to collect, store, prepare and analyze data to make valuable predictions, support decisions and build data-driven products.

EXPERIENCE

Mercedes-Benz Research & Development North America , Sunnyvale, CA, USA — *Sep. 2017 – Present*

Data Engineer
Development of powerful, scalable RESTful APIs with Go, deployed in Docker containers on Kubernetes using Helm and DevOps pipelines
Development of test and debug framework with Python and Go; Technical component responsibility for development of multiple components of the Mercedes Vehicle Backend to which all vehicles connect to

energy-smart , Berlin, GERMANY — *Nov. 2016 – Oct. 2017*

CIO & Co-Founder
Development of a data platform to serve landlords of larger real estate management firms to track utility usage and deliver utility invoices automatically.
Responsible for the software development; built a dockerized platform which is able to collect, store and visualize data with a stack of mysql, phpmyadmin, metabase, an sftp server, proprietary software written in Python and a web user interface to manage properties, tenants and connected devices.

Daimler , Stuttgart, GERMANY — *Apr. 2017 – Jul. 2017*

Data Scientist
Development of predictive, classification, clustering models; applying machine learning algorithms on Big Data platforms (with Hadoop, Spark, MLlib, Hive); statistical root cause analysis; data platform project management
Internal transition to position in Sunnyvale, CA after short amount of time.

IBM , Stuttgart, GERMANY — *Oct. 2014 – Mar. 2017*

Consultant for Business Analytics
Consulting for predictive analytics and business intelligence software (SPSS); development of data-driven software using machine learning algorithms and data mining (pandas, numpy, scikit learn, pyspark, flask, tensorflow).
Statisictal software training for clients; speaker on pre-sales events.

PORTFOLIO

Open-Source Software

ChordPro
An application for musicians to create their own beautiful one-paged song sheets using Python with the flask framework, including an HTML 5 user interface.

EDUCATION

Bachelor of Science, Business Information Systems — *Oct. 2011 – Sep. 2014*
DHBW Stuttgart Cooperative State University, Stuttgart, GERMANY
- Co-op study program with IBM consisting of three-month periods of theoretical and practical phases in a continous exchange. This was the best way to gain a theoretical knowledge foundation and considerable practical business experience at the same time.
- Internships as junior consultant, java developer, strategy consultant and social media campaign researcher

SKILLS

Experience
- Main programming languages are Python and Go; Sufficient in others (Java, R)
- Docker, Kubernetes, Git
- Web development (HTML5, CSS3, PHP, JavaScript)
- Predictive analytics (IBM SPSS, pandas, scipy)
- Data science, data mining, machine Learning (CRISP-DM, Chaid, C5.0, Neural Networks, logistic regression, et al.)
- Business Intelligence and Data Warehouseing (IBM Infosphere DataStage)
- Data management (SQL, PostgreSQL, MySQL, phpMyAdmin, IBM DB2, Oracle, Microsoft SQL)
- Certified SCRUM Master and Product Owner
- Cloud-Native, Mac OS, Linux, Bash scripting

Voluntary Activities
- Deep Learning and Kubernetes courses on udacity
- Web administration for a church website
- Video tutorials on Youtube (Docker and haproxy)
- Personal blog
- Open-source software
- Developing custom nodes for SPSS Modeler

Qualities
- Entrepreneurial mindset
- Self-directed and passionate
- Leadership and integrity
- Great communicator
- Reasonable decision making