JONATHAN LANGEFELD

SENIOR SYSTEMS ENGINEER

Sunnyvale, CA
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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*

Senior Systems Engineer
Functional project management and SCRUM Product Owner of a Big Data platform for customer vehicles operating world wide. Staffing, time, resource and task management for project teams; cross team communication and information exchange with third parties; development sessions and real-world test planning and execution.

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

CIO & Co-Founder
My co-founder and I built 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*

Senior Data Scientst
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*

Senior Consultant for Business Analytics (Sep. 2016 - Mar 2017)
Consultant for Business Analytics (Oct. 2014 - Aug. 2016)
Consulting for predictive analytics and business intelligence software (SPSS); development of data-driven software using machine learning algorithms and data mining.
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**, (1.9)   *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
- Python (pandas, numpy, scikit learn, pyspark, flask, tensorflow), R and Java
- Web development (HTML, CSS, PHP, JavaScript)
- Predictive analytics (IBM SPSS, IBM Collaboration and Deployment Services)
- 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, MySQL, phpMyAdmin, IBM DB2, Oracle, Microsoft SQL)
- Certified SCRUM Master and Product Owner
- Mac OS, Linux
- Docker, Git, Anaconda and Jupyter lab

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

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