

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 environment of (predictive) Analytics, Big Data and (automotive) software development. My interdisciplinary skillset reaches from software development over project management to data science and machine learning. 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

Technical 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; development of test and debug framework.~

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

Senior 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

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. Statistical 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 continuous 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

