Stefan Junk

I am a technology enthusiast combining management expertise and hands–on experience as cloud architect, cloud engineer and as digital product designer. With the finger on the pulse of science and with experiences across several business domains, a holistic integration of business and technology is mandatory for me. For high customer satisfaction I enjoy most to work closely and in direct communication with the client. I am best in a fast–paced and yet creative work culture with personal touchpoints and a high degree of personal responsibility.

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Focus Areas

Solution Design	11 Years
Cloud Computing	4 Years
Requirements Management	4 Years
Stakeholder Management	2 Years
Machine Learning	2 Years
Quantum Computing	1 Year

Business Domains

- Financial Services
- Space Technology
- Automotive
- Energy Supplier

Work Experience

Cloud Advisory Consultant, Sep. 2020 – now   Accenture, Berlin

Hybrid and multi cloud transformation projects in financial services

> Stakeholder management between cloud service providers and the client
> Requirements management – shaping and tracking the delivery process along the migration preparation with dynamic client demands
> Cloud architecture design for landing zone and hybrid cloud integration in Google Cloud Platform and Microsoft Azure

Freelancer, Apr. 2020 – Aug. 2020   JuSt Innovation, Berlin

Cloud engineering services focusing on hybrid infrastructure

> Service preparation and API design for migration to Google Cloud Platform
> Network design as Infrastructure–as–Code for hybrid cloud setup and staging environments in Amazon Web Services

Co–Founder, Feb. 2018 – Mar. 2020   DNL Deep Neuron Lab GmbH, Berlin

Company foundation, technical lead and product design for DNL – DNL provides a Software–as–a–Service solution to extract financial data from annual reports using latest findings of natural language processing and other machine learning techniques.

> Business plan design and evaluation of the underlying assumptions, as well as refinement of the business model and the product
> Funding application resulting in 350k€ worth of public funding
> Team formation, including recruitment of five persons: an additional co–founder, a data scientist, two developers and a marketing expert
> Product management and development of the minimal viable product, including software architecture, user interface, machine learning models, hosting and operation

Working Experience (continued)

Research Assistant, Oct. 2014 – Mar. 2018   Technische Universität Berlin
Chair of Space Technology

Design of the hardware and power management solution for the modular nano–satellite bus TUBiX20. The design started from scratch up to the launched and operational prototype TechnoSat, carrying a payload for earth observation to detect wildfire.

> Design–to–cost for reliability focusing on fault–tolerance, radiation–tolerance, disaster recovery while maintaining launch mass and inertia relevant mass
> Requirements analysis of orbit related power and temperature cycles, as well as power demand and components lifetime
> Component design, prototyping, flight model production, subsystem and system testing, as well as supplier management and quality assurance

Research Assistant, Sep. 2011 – Apr. 2014 Fraunhofer Institut für Zuverlässigkeit
System Design and Integration   und Mikrointegration (IZM), Berlin

Consulting on onboard high voltage power systems for international automotive and railway companies regarding electromagnetic compatibility (EMC)

> Analysis and design optimization of high voltage (HV) power systems and components of electric cars, focusing on chargers, battery pack and HV cables
> Analysis and design optimization of a drive Converter of a electric train, focusing on electromagnetic interferences (EMI) and misbehavior in HV components

Thesis and Working Student, Sep 2008 – Aug. 2011

> **Master Thesis, Siemens, Krefeld:** Development of a boost converter design for the onboard power supply of trams to reduce losses and cooling demand
> **Working Student, Wilo SE, Dortmund:** Product Engineering for electronically controlled heating water pumps
> **Working Student, Novero, Bochum:** Design of automated testing systems for automotive speaker phone system
> **Diploma Thesis, RWE Power AG, Hürth:** Design of a control system to maximize the addition of municipal waste to the lignite combustion process while maintaining proportion of HCl in the flue gas

Education

Master of Science   Ruhruniversität
Apr. 2009 – Sep. 2011   Bochum
Electrical Engineering & Information Technology

Diplomingenieur (FH)   Technische Fachhochschule
Aug. 2005 – Feb. 2009   Georg Agricola zu Bochum
Electrical Engineering & Information Technology
"Ausbildung plus Studium" program of RWE Power AG
Combined Studies and Apprenticeship

Elektroniker für Betriebstechnik (IHK) RWE Power AG
Aug. 2005 – Jun. 2008   Bergheim
"Ausbildung plus Studium" program of RWE Power AG
Combined Studies and Apprenticeship

Allgemeine Hochschulreife (AHR) Werner von Siemens Berufskolleg
Aug. 2003 – Jul. 2004   Köln

Fachhochschulreife (FHR)   Adolf–Kolping Berufskolleg
Aug. 2000 – Jul. 2004   Kerpen

Informationstechnischer Assistent (ITA) Adolf–Kolping Berufskolleg
Aug. 2000 – Jul. 2004   Kerpen

Tools

Python	6 years	Terraform	3 years
GCP/AWS/Azure	4 years	Keras / Tensorflow	2 years
Docker	4 years	JavaScript / React	2 years

Languages

(D) German   native   (EN) English   fluent