

Contact

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Top Skills

Solution Architecture
Microsoft Azure
Machine Learning

Languages

German (Native or Bilingual)
Hungarian (Native or Bilingual)
English (Full Professional)

Certifications

Microsoft Certified: Azure
Administrator Associate

Publications

Flatness-based feedforward control
of polymer electrolyte membrane fuel
cell gas conditioning system

A novel approach for dynamic gas
conditioning for PEMFC stack testing

Patents

Power-Hardware-in-the-Loop (PHIL)
concept for dynamic fuel cell testing

Controlled gas conditioning for a
reaction gas of a fuel cell

PEM Fuel Cell - Supercritical Water
Injection

Softsensor for PEMFC

Janos Kancsar

Senior AI Solution Architect | Crayon's Data & AI Center of
Excellence for Europe
Vienna, Vienna, Austria

Summary

I work as an AI solution architect at Crayon's AI Center of Excellence. In this role I directly engage with customers from various industries and help them to transform their business to a data-driven business model. This work is crucial as every industry undergoes breakthrough transformation that is not simply about technology, but also about re-envisioning existing business models and embracing a different way of bringing together people, data, and processes. As an AI solution architect I try to bridge the gap between data and business impact. During project delivery I ensure the effective embedding of AI models into operations.

Experience

Crayon

2 years 5 months

Senior AI Solution Architect
April 2023 - Present (10 months)
Vienna, Austria

AI Solution Architect
September 2021 - April 2023 (1 year 8 months)
Vienna, Austria

Creating business value with AI

Presales:

- Engaging with clients on how to create business value with AI
- Enablement of international sales team for AI project acquisitions

Delivery:

- Project lead for AI / ML projects with cross functional teams of data scientists and ML engineers
- Designing AI Solution Architecture
- DevOps, IaC, AML, CI / CD Pipelines

Bosch Engineering GmbH

3 years 6 months

System Development Engineer

March 2019 - August 2021 (2 years 6 months)

Vienna, Austria

System Development for Electric Drives

Methods:

- Embedded Real-Time Systems
- ISO26262 / Functional Safety / ASIL A-C
- C, Matlab / Simulink
- Model-Based-System-Engineering (MBSE)
- V-Process
- Nonlinear Dynamic System Analysis
- Fourier Analysis
- Cross Domain Work (System, Software, Hardware/Electronics, Mechanics, Safety)
- System Architect
- System Requirements Engineering

Embedded Software Engineer

March 2018 - February 2019 (1 year)

Vienna, Austria

Embedded Software Development for Electric Drives

Methods:

- C, Matlab / Simulink
- Software Requirements Engineering
- V-Process
- Embedded Real-Time Systems
- ISO26262 / Functional Safety / ASIL A-B
- Model-Based-System-Development (MBSE)

Technische Universität Wien

Graduate Research Assistant

March 2014 - December 2017 (3 years 10 months)

Industry Partner: AVL List GmbH

Research Field: Nonlinear multivariate control and model predictive control of test beds for fuel cells and batteries.

Methods:

- Nonlinear Multivariate Control
- Dynamic Systems
- Regression Analysis
- Data Driven System Identification
- Data Driven Models and First Principle Models
- Design of Experiment (DoE - Test Planing)
- Model Predictive Control (MPC)
- Linear and Nonlinear Observer Design
- Linear and Nonlinear State-Space-Systems
- C / Matlab / Simulink / dSpace
- Cross Domain Work

HEPHY - Institute of High Energy Physics, Data Analytics (CERN, LHC)

Data Scientist

August 2012 - September 2013 (1 year 2 months)

Research in the field of High Energy Physics (CERN, LHC/CMS)

Methods:

- Big Data Analysis
- Python
- Regression Analysis
- Multivariate Normal Distributions
- Monte Carlo Simulations

Education

Technische Universität Wien

Dr. techn., Automation and Control Engineering · (2014 - 2017)

Technische Universität Wien

Dipl.-Ing., Technical Physics · (2011 - 2013)

Linköping University

Technical Physics · (2009 - 2010)

Technische Universität Wien

Bachelor of Science - BS, Technical Physics · (2006 - 2010)

Technologisches Gewerbemuseum

Elektronik, Nachrichten- und Netzwerktechnik · (2000 - 2005)