Zacharias Aram

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SUMMARY

Experienced IT Consultant and Engineer specializing in process automation, digitalization, and AI-driven systems. Proven successes in developing and implementing technical solutions for Industry 4.0, driving efficiency and fostering innovation. Goal-oriented team player with a hands-on mentality, strong technical expertise, and the ability to successfully manage complex projects from planning to execution.

SKILLS AND INTERESTS

Programming: Python, SQL, PowerShell, C/C++, Html, SPS, Robot Programming (Universal Robots)
Software: Jupyter Notebook, PyCharm, Microsoft 365, SSMS, Inventor, SolidWorks, Plant Simulation, Matlab
Languages: Fluent in German, Aramaic, and English
Personal Interests: Weightlifting, Traveling, and spending Time with Family and Friends

PROFESSIONAL EXPERIENCE

LIS - Logistische Informationssysteme   Greven, Germany
IT Consultant & Project Manager   September 2024 – Present
- Implement customized Warehouse Management Systems (WMS) to increase the efficiency of logistics processes and improve transparency in supply chains.
- Design and implement automated workflows that reduce manual interventions and optimize processing times in warehouse management.
- Advise clients on automating their processes, enhancing efficiency and reducing errors in workflows.

Comma Soft AG   Bonn, Germany
Working Student: IT Consultant   February 2024 – August 2024
- Programmed a PowerShell script for the Microsoft 365 DSC module, automating tenant configuration management and improving security checks.
- Configured Microsoft 365 services and optimized tenant management workflows, significantly enhancing performance and security in client environments.
- Implemented Microsoft 365 cloud solutions to enhance security standards and automate tenant configuration processes.

Ruhr-Universität Bochum | Lehrstuhl für Produktionssysteme   Bochum, Germany
Student Assistant   July 2022 – April 2023
- Designed and developed self-learning modules on Industry 4.0 and digital business models, used by international partners to optimize their transformation projects.
- Led hands-on workshops that enabled small and medium-sized enterprises to adopt digitalization strategies.

Cademy GmbH   Ennepetal, Germany
Bachelor's Candidate – Project Management & Intern   March 2021 – March 2022
- Developed a prototype for a mobile robotic system to automate foaming processes in the automotive industry, designed for flexible use in various environments.
- Gained expertise in SPS programming, additive manufacturing, and autonomous transport systems.

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EDUCATION

Ruhr-Universität Bochum | Bochum, Germany
Master of Science – Mechanical Engineering | April 2022 – August 2024
- **Specialization, GPA:** Automation Technology, 3.7
- **Master's Thesis:** Artificial Intelligence and Computer Vision for Automated Recognition of Assembly Steps in the Context of Assistance Systems

Universiti Putra Malaysia | Selangor, Malaysia
Semester Abroad | March 2023 – July 2023
- Developed intercultural competencies and specialized in management strategies for production processes.

Ruhr-Universität Bochum | Bochum, Germany
Bachelor of Science – Mechanical Engineering | September 2017 – March 2022
- **Specialization, GPA:** Automation Technology, 2.2
- **Bachelor's Thesis:** Development of a Mobile Collaborative Robot System for Foaming Processes in the Automotive Industry

Istanbul Teknik Üniversitesi | Istanbul, Turkey
Semester Abroad | October 2020 – March 2021
- Gained advanced knowledge in automation and intercultural collaboration through technical studies in an international environment.

PROJECTS

Car Simulation with AI-Powered Traffic Sign Recognition | Ahlen, Germany
Personal Project | November 2024 – January 2025
- Developed a car simulation that uses computer vision to recognize traffic signs in real time and dynamically adjust driving behavior within the simulation.

Ruhr-Universität Bochum | Lehrstuhl für Produktionssysteme | Bochum, Germany
Master's Thesis | October 2023 – August 2024
- Designed a modular assistance system that integrates AI methods such as computer vision and speech recognition to analyze assembly steps, minimize errors, and enhance efficiency in assembly processes.

Cademy GmbH | Ennepetal, Germany
Bachelor's Thesis | August 2021 – March 2022
- Developed and implemented a prototype of an autonomous robotic system that uses cameras and sensors to identify tool positions and automate production processes, significantly improving efficiency and adaptability to changing industrial requirements.

VOLUNTEERING

Volkshochschule Ahlen | Ahlen, Germany
Volunteer | October 2022 – March 2023
- Led exercise courses and taught children in various subjects and activities.

Ingenieure ohne Grenzen e.V. | Bochum, Germany
Candidate | November 2019 – February 2020
- Designed a brick press to support disadvantaged communities in Africa by fostering local craftsmanship and infrastructure development.