

# 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

*IT Consultant & Project Manager*

Greven, Germany

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

*Working Student: IT Consultant*

Bonn, Germany

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

*Student Assistant*

Bochum, Germany

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

*Bachelor's Candidate – Project Management & Intern*

Ennepetal, Germany

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

*Master of Science – Mechanical Engineering*

Bochum, Germany

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

*Semester Abroad*

Selangor, Malaysia

March 2023 – July 2023

- Developed intercultural competencies and specialized in management strategies for production processes.

### Ruhr-Universität Bochum

*Bachelor of Science – Mechanical Engineering*

Bochum, Germany

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

*Semester Abroad*

Istanbul, Turkey

October 2020 – March 2021

- Gained advanced knowledge in automation and intercultural collaboration through technical studies in an international environment.

### Städtisches Gymnasium Ahlen

*A-level*

Ahlen, Germany

August 2011 – July 2017

## PROJECTS

### Ruhr-Universität Bochum | Lehrstuhl für Produktionssysteme

*Master's Thesis*

Bochum, Germany

October 2022 – 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

*Bachelor's Thesis*

Ennepetal, Germany

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

*Volunteer*

Ahlen, Germany

October 2022 – March 2023

- Led exercise courses and taught children in various subjects and activities.

### Ingenieure ohne Grenzen e.V.

*Candidate*

Bochum, Germany

November 2019 – February 2020

- Designed a brick press to support disadvantaged communities in Africa by fostering local craftsmanship and infrastructure development.