



# Martin Jurran

Dresden, Germany | [martin@jurran.org](mailto:martin@jurran.org)

<https://martin.jurran.org> | [LinkedIn](#) | [GitHub](#)

I am a technology enthusiast with solid theoretical & practical skills in software and web development. Interested in creating solutions for challenging topics in complex business domains, with a requirements engineering and system design focus.

## WORK EXPERIENCE

### IT Specialist (In-House IT Consultant)

July 2019 - today

Dresden, Germany

Linde Engineering

- Delivered state-of-the-art digital solutions to optimize business processes in alignment with the organization's Digitalization Roadmap, advising management on technology trends and opportunities.
- Successfully managed and executed 10+ IT projects, up to 1,500 hours in scope, ensuring on-time delivery within budget, requirements, and project parameters
- Collected, analyzed, and managed complex business requirements using industry-standard requirements engineering methodologies, translating stakeholder needs into actionable technical specifications and ensuring deliverables matched strategic objectives.
- Pioneered fully automated CI/CD pipelines in Azure DevOps locally to enhance application deployment, reducing manual efforts by an estimated 90%, improving release consistency, and accelerating time-to-market.
- Designed and developed workflow systems and applications used by approximately 3,000 employees across the EMEA region, driving efficiency and supporting critical business operations.

**Tech Stack** Requirements Engineering | Project Management | Agile Methodologies | Power Platform | Vue.js | .NET | Azure DevOps

### Software Engineering Intern

May 2018 - June 2018

Bray, Ireland

Alaymont Ltd.

- Engineered a software solution that digitized complex forms, improving a core business process, empowering users to own their data, and significantly improving operational efficiency while reducing costs

**Tech Stack** JavaScript | Vue.js | express.js | Sass | WebStorm

### Computer Science Expert Apprentice

Aug 2016 - July 2019

Dresden, Germany

Linde Engineering

- Introduced an IAM solution that automated permissions provisioning across multiple locations, eliminating repetition, improving response time for up to 50 weekly requests, and ensuring scalable on-boarding processes.

**Tech Stack** Microsoft PowerShell | Vue.js | VB6 | BaaS | SharePoint

## SELECTED PROJECTS

### Digital HR Processes Using Power Platform

Mar 2021 - today

- Concepted and implemented Power Platform-based solutions for HR processes which received extensive internal acknowledgement for improvement of the employee experience
- Implemented a Vue.js-based application for the management and reporting of employee absences. Used as the single source of truth for absence information, it is directly improving resource management in project execution

### Rule-Based System for Plant Equipment Classification and Reporting

Mar 2021 - today

- Developed a user-configurable system to classify and interpret chemical plant equipment data using a rules engine. Designed a flexible and customizable output module that enabled the creation of Equipment Lists tailored to internal standards or external frameworks like CFIHOS.

### Pipe Stress Analysis Software

Mar 2023 - Dec 2023

- Re-engineered the core elements of a procedural codebase for pipe stress analysis, incorporating modern software design patterns while ensuring strict adherence to ASME industry standards.

### Data Transformation for Plant Engineering Tools

Sep 2023 - Dec 2023

- Reverse-engineered closed-source data formats to decode transformation processes, enabling the creation of 100% automated and orchestrated data flows between proprietary tools.

## EDUCATION

### Bachelor of Science, Business Information Systems

Oct 2024 - today

Fernuniversität in Hagen

Remote

### Computer Science Expert, System Integration

Aug 2016 - July 2019

Akademie für berufliche Bildung gGmbH

Dresden, Germany

## VOLUNTEERING

- **[martin.jurran.org](https://martin.jurran.org)**, Blog about software engineering started in Dec 2023 covering topics such as A11Y, Design Patterns, Refactoring and Data Science.