

# Jörg Kullrich

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Software developer, developer advocate at [Siemens](#), Certified [Scrum Master](#), and [Agile Lean Coach](#).

## Skills & Qualifications

- 4 Years' experience with front & backend development
- Extensive knowledge in industrial automation.
- 5 years of experience in leadership and agile coaching

## Tech stack

- **Languages:** C#, Python, JavaScript, TypeScript, Html, CSS, SASS
- **Cloud Provider:** Azure, AWS
- **Frontend Frameworks:** Nextjs, Vue, React

## Work History

### **SENIOR DEVELOPER | Siemens AG | AX (internal Startup)**

10/2023 - Present

#### **SIMATIC AX: Automation at the speed of software development**

Ready to efficiently advance automation? Meet the skills shortage and keep up with rapid developments in the market? Based on Visual Studio Code, SIMATIC AX offers state-of-the-art IT tools in a lean development environment for programming and maintaining SIMATIC PLCs. This enables fast releases, quality management and collaboration from anywhere.

- **Website development with Next.js and UX design:** Developing a responsive and user-friendly website with Next.js combined with UX design principles and Figma design tools. Creating an intuitive user interface that provides a positive experience for users.
- **Developed own package management tool with JavaScript and TypeScript:** Created own package management tool with JavaScript and TypeScript that allows to create, manage and install packages. This tool is suitable for developers and companies that need simple and efficient package management in the automation.

- Development of a Visual Studio Code extension with TypeScript: Development of an extension for Visual Studio Code that allows you to create, manage and edit npm packages in Simatic AX projects. The extension offers a variety of functions, such as syntax highlighting, code completion and error correction.
- Developing UI/UX design elements with Figma: Creating various UI/UX design elements with Figma, such as icons, buttons, forms, and menus. These elements can be used in different applications and platforms to create a unified user interface.

### **Scrum Master | AX (internal Startup)**

11/2021 – 10/2023

I lead several agile software development teams and ensure effective communication, sharing and collaboration while motivating and supporting highly skilled professionals to achieve best results and increase their competence through regular constructive feedback. I develop the software development team in terms of headcount, processes, tools and skills.

- I develop the software development team in terms of headcount, processes, tools and capabilities.
- I represent the software team to other teams and stakeholders within the organization.
- I contribute my experience and seniority by facilitating internal software discussions as well as discussions with product management and design experts. Together with the team, I monitor project success and adapt to new challenges and requirements.
- I act as an interface between the operational development team and the units involved in the projects.

### **Scrum Master | Siemens AG**

11/2019 - Present

The ORGANIZATIONAL & AGILE TRANSPORTATION team guides the organization on the path to agile transformation, helps build a scaled agile organization and takes it to the next level.

- Demonstrating, reflecting, and training the agile values and principles to the teams and management.
- Development of target images and an individual "Agile Transformation Roadmap" for the agile transformation - in coordination with IT & business departments
- Establishment of continuous learning, ongoing development, and open error culture in the agile organization
- Coaching of key players and leadership roles, in the changing line organization, to prepare for agile working
- Creating development opportunities and perspectives for roles in the new agile organization and defining incentive models for cross-functional teams as well as management.

## **SENIOR DEVELOPER | Siemens AG**

10/2014 - 10/2019

Designed and developed the Totally Integrated Automation Portal. Regardless of what you need to engineer innovative machines, you'll find it in Totally Integrated Automation Portal (TIA Portal). Siemens is adding all its new developments and future-oriented technologies in the TIA hardware portfolio and incorporating the corresponding functions into TIA Portal.

- Designed prototype & pitched original idea for new visualization of control systems.
- Created the code base and brought multiple versions of TIA the Siemens Automation software to market in a globally distributed team.
- Onboarded and trained customers (Webinars & Conferences)
- Managed a small team of developers in expansion of SIMATIC Safety & PID Control in TIA system.

### **Projects & Accomplishments**

[SIMATIC AX Automation engineering at the speed of software development.](#)

[SIMATIC STEP 7 Safety and S7 PLCSIM Advanced - Safety Engineering the integrated way.](#)

[Totally Integrated Automation Portal – more than an engineering framework](#)

[PID Control for SIMATIC S7-1200/S7-1500](#)