
Thomas Irgang

Project Manager

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I'm a Project Manager with 10+ years in embedded software and automotive systems, specializing in Linux platforms. Experienced in leading multinational teams and managing complex integration projects, I bring strong Agile expertise (SAFe, Scrum) and a focus on innovative solutions for SDV and HPC. I combine technical know-how with strategic leadership to drive efficiency, quality, and customer satisfaction.

Skills

- **Project Management:** Planning and executing software development and integration projects in highly regulated industries.
- **Leadership:** Building and scaling high-performing software engineering and integration teams.
- **Agile Development:** Leading agile embedded development teams using Scrum and SAFe frameworks.
- **Automotive Engineering:** Applying automotive regulations, such as UN-ECE R155 & R156, and standards, such as ASPICE, to agile software engineering.
- **International Leadership:** Managing distributed, multicultural software engineering and integration teams.
- **Open-Source Strategy:** Designing open-source-based business strategies and leveraging open-source software to reduce costs and accelerate time to market.
- **Artificial Intelligence:** Implementing local LLM-based solutions to improve engineering efficiency and processes.
- **Community & Learning:** Organizing training programs and community events to grow the next generation of embedded Linux engineers.

Professional Experience

Elektrobit Automotive GmbH, Erlangen – *Senior Project Manager*

January 2025 - Present

- Lead multinational Foxconn EV.OS Linux integration team.
- Defined and estimated Linux aspects for Foxconn EV.OS offer.
- Develop Linux strategy with Elektrobit management.
- Organize embedded Linux Community of Practice.
- Manage POV.OS research project.

Elektrobit Automotive GmbH, Erlangen – *Product Owner*

September 2023 - January 2025

- Defined roadmap for EB corbos Linux Automotive OS.
- Aligned technical aspects with Canonical and other stakeholders.
- Led multinational development team across three countries.
- Contributed to Linux service strategy definition.
- Managed Elektrobit's POV.OS project contributions.
- Founded embedded Linux Community of Practice.

Elektrobit Automotive GmbH, Erlangen – *Project Manager*

September 2020 – September 2023

- Led VW ICAS1 Linux integration team.
- Developed open-source qualification process.
- Adapted processes to UN-ECE R155 and R156 regulations.

ABIDAT GmbH, Nürnberg – *Team Lead*

Februar 2020 – July 2020

- Built and led a new multinational web/app development team.
- Consulted Siemens Logistics GmbH.

Elektrobit Automotive GmbH, Erlangen – *Project Manager*

January 2019 - January 2020

- Managed Bentley MIB3 HMI development project.
- Conducted customer presentations and workshops.
- Served as Product Owner for integration and climate control.

Elektrobit Automotive GmbH, Erlangen – *Senior Software Engineer*

May 2017 - January 2019

- Led VW MIB2+ speech interface team.
- Owned integration of VW MIB2/MIB2+ online services.
- Supported change requests and customer workshops.

Valentum Engineering, Regensburg – *Software Engineer*

May 2015 - April 2017

- Developed features for VW MIB2 online services.
- Resolved software issues and defects.

EUROS embedded systems, Nürnberg – *Software Engineer*

September 2015 - October 2015

- Developed embedded C++ software.

Fernuniversität Hagen, Hagen – *Scientist*

September 2013 – August 2015

- Researched process mining and process net synthesis.

Katholische Universität Eichstätt-Ingolstadt, Eichstätt – *Scientist*

Februar 2013 – August 2013

- Contributed to EU Metafora research project.
- Led development of collaborative online editor.

Katholische Universität Eichstätt-Ingolstadt, Eichstätt – *Student Assistant*

Februar 2006 – Januar 2013

- Designed backend architecture for the EU Metafora project.
- Developed research tools for process synthesis.

Sanmina-SCI, Gunzenhausen – *Vocational Trainee*

April 2002 – Juli 2003

- Trained as Communications Electronics Technician (KEIN).

Alcatel SEL, Gunzenhausen – *Vocational Trainee*

September 2000 – March 2002

- Trained as Communications Electronics Technician (KEIN).

Educational Path

Katholische Universität Eichstätt-Ingolstadt, Eichstätt – *Studies Mathematics and Computer Science*

September 2005 – January 2013

Staatliche Berufsoberschule, Technik, Nürnberg – *subject-specific higher education entrance qualification*

September 2004 – July 2005