Jana Marie Hemsing

https://janamarie.dev
janamarie@janamarie.dev

EDUCATION

KARLSRUHER INSTITUT FÜR TECHNOLOGIE
BSc in Chemical Biology
Nov 2020 | Karlsruhe, Germany

HANS-BÖCKLER-BERUFSKOLLEG
State Certified Technician & Technical Diploma
Grad. Jun 2020 | Münster, Germany
Electrical Engineering

FAC'T GMBH
Electronics technician for devices and systems
Grad. Jan 2016 | Münster, Germany
Medical technology specialization

JKR GREVEN
GCSE O-levels
Grad. Jan 2012 | Greven, Germany

LINKS

Github:// **Jana-Marie**
LinkedIn:// **Jana Marie Hemsing**
Twitter:// **@_Jana_Marie**
Telegram:// **@MarieJana**

SKILLS

Electrical Engineering • Hardware Design
Embedded Systems • Debugging
Life Sciences • Chemical Biology
Altium • KiCAD • Eagle
Inventor • QCAD • OpenSCAD
3D Printing • CNC-Milling
C • Assembly • Rust • Bash
Python • VHDL
STM32 • nRF52 • ARM • Linux

LANGUAGES

German, English & French

EXPERIENCE

AUGMENTAL TECH | Electronics + Embedded Engineer
Sept 2021 - Present | San Francisco, CA & Karlsruhe, Germany

GO-E GMBH | Lead Systems + Electronics + Embedded Engineer
Mar 2019 – Aug 2021 | Berlin, Germany
- Successful development and market introduction of an EV charger.
- Deepen knowledge of DFM, high current design and product integration.
- Guiding the company from start-up to market leader.
- Electrical engineering division team leader.

TOBIT LABORATORIES AG | Electronics + Software Engineer + Maker
Jan 2018 – Mar 2019 | Ahaus, Germany
- Complete planning, design and implementation of a modern lighting concept for a hotel.
- Accumulation of extensive knowledge of product design in combination with 3D printing.
- Product integration into existing software environments.

FACT GRUPPE | Medical Engineer
Jan 2016 – Jan 2018 | Münster, Germany
- Head of the medical technology department in two hospitals.
- Deepening knowledge of medical technology, life sciences and anatomy.

PROJECTS

OTTERCASTAUDIO | Electronics Engineer + Team Lead
Mar 2021
Led the development of **OtterCast**, a family of open-source audio streaming devices running Linux on custom hardware. Hardware design of **OtterCastAudioV2**.

OTTER-IRON | Hardware Design + Software
Dec 2019
Development of **Otter-Iron**, the first USB PD powered soldering iron. This project led to several commercial USB PD soldering irons being developed and sold.

GPN17 BADGE | Hardware Design + Software
May 2017 | Karlsruhe, Germany
Development and production of **500 IoT badges** for a security conference.

AWARDS & CERTIFICATIONS

Year		
2021	DE000109	OSHWA certification for OtterCastAudioV2
2018	2. place project Transpotter	Young Innovators Camp Heilbronn
2017	Class A	CEPT radio amateur licence – DD9CAT
2015	KMK level II	KMK foreign language certificate English