

# Susanne Dally

I am a passionate software engineer with thorough hands-on experience in developing low-level and embedded software, who is not afraid to put in extra effort. I have gathered extensive professional knowledge and skills in developing and testing software in the Aeronautics and Automotive industries. However, these industries are still dominated by C and bare metal coding, and I am seeking for an actual challenge. So, I have taken it upon myself to advance my C++ skill; a skill I gained, in my free time, by consistently programming as a hobby. Thus, I am now looking for a position to apply and further strengthen my C++ knowledge in a professional context.

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## Work Experience

**04/2019 - 06/2023 Bühler Motor Aviation GmbH**

### Software Engineer

*For Pneumatic and Seat Actuation Systems*

- Assisted with requirements engineering
- Independently designed and implemented firmware components in C
- Customized product software to meet international customer needs while acting as primary contact person
- Took on project management responsibilities
- Actively maintained CI/CD environment with Jenkins
- Responsible for engineering validation and unit tests
- Implemented quality control software in Python

**09/2017 - 03/2019 Bertrandt AG**

### Software Tester

*For Vehicle Dynamics in the Software Design department*

- Tested software requirements with Python
- Systematically evaluated test results; reported defects

**07/2016 - 03/2017 Rolls-Royce**

### Working Student

*For Engine Control System Design in the Controls and Data department*

- Analyzed jet engine operation test results relevant to the software requirements
- Created model based simulations in Matlab/Simulink according to software requirements

**09/2013 - 09/2015 TU Berlin**

### Course Tutor

- "Basics of Electrical Engineering"
- "Electrical Networks"

## Skills

### Software Development

with: Vim, Git, Zsh&Tmux, Jenkins, Eclipse  
on: macOS, (Yocto)Linux, Windows  
in: C++17, C, Python, Shell scripts

### Hardware

#### Microcontroller

STM32, Infineon, Fujitsu, Renesas

#### Embedded CPUs / SoCs

BeagleBone (AM335x), Arm Cortex-M4, Cortex-M33), Raspberry Pi

### Protocols and Interfaces

Linux IO Multiplexing, essential ISO/OSI Layer 2-4 protocols, CAN, I2C, SPI, UART

### Soft Skills

- Thriving both independent & in team
- Instinctive problem solving & root-cause finding
- Comfortable in decision making
- Prudent in time management
- Fluent in German & English
- Native Turkish speaker

## Education

### Master of Science / 2016

*In Electrical Engineering*

At Technical University of Berlin

### Bachelor of Science / 2012

*In Electrical & Electronics Engineering*

At Anadolu University

### Bachelor of Science / 2012

*In Airframe & Powerplant Maintenance*

At Anadolu University