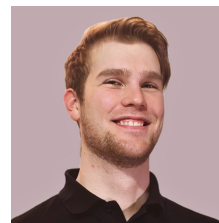


Lovro Musić

Computer Engineering Student
Software Development and IT Infrastructure

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Computer engineering student with completed IHK vocational training as an electronics technician for automation technology. Hands-on experience in IT support, industrial computer systems, and full-stack development, with additional knowledge of web development, Linux infrastructure, and hardware-software integration.

Work Experience

- **Office 365 Project Developer** 11/2024 – 07/2025
inlingua, Osnabrück
Technologies: *Microsoft 365, Power BI, Microsoft Azure*
 - Creation of didactically structured guides for Microsoft 365 workflows and different user groups
 - Technical project responsibility and iterative optimization of content in close coordination with stakeholders
- **Working Student in Computer Production** 01/2024 – 10/2024
TCI Gesellschaft für technische Informatik GmbH, Heuchelheim
Technologies: *Linux, Clonezilla, Intel VT-d, PassMark BurnInTest, MemTest86*
 - Assembly and configuration of custom industrial PCs, server systems, and smart display solutions
 - Device intake, technical inspection, maintenance, repair, complaint handling, diagnostics, and final testing
- **IT Support Technician** 09/2022 – 08/2023
Tipwin Limited, Frankfurt am Main
Technologies: *AWS, Jira, Zendesk, 3CX, AnyDesk, Ansible, Nginx*
 - Administration and maintenance of decentralized networks and peripheral systems
 - Analysis and resolution of hardware, software, network, and VoIP incidents in second-level support
- **Inspection Technician for Plant Safety (TÜV)** 03/2022 – 08/2022
TUEG Schillings GmbH, Kerpen
Technologies: *DGUV Vorschrift 3, DIN VDE 0100, VDE 0113, BetrSichV*
 - Support for TÜV certification of industrial plants
 - Compliance documentation and technical reporting

Selected Projects

- **MICRO - Web-Based Administration Platform** 04/2026 – 07/2026
University team project
Technologies: *Nuxt 4, Vue 3, TypeScript, Kotlin, Spring Boot, PostgreSQL*
 - Implemented backend integration across OpenAPI interfaces, Kotlin/Spring Boot services, and PostgreSQL storage
- **Private Cloud, Automation, and AI Platform** since 2024
Independent infrastructure project
Technologies: *Proxmox VE, Linux, LXC, Docker, Ollama, n8n*
 - Built and administered a Proxmox based private cloud with Linux VMs, LXC containers, and Docker services

- **Industrial Control and Automation Projects with PLCs** 2018 – 2023
Vocational training, examination, and industrial company project
Technologies: Siemens S7-1200, TIA Portal, WinCC, PROFIBUS, GRAFCET, ABB
 - Developed PLC-based sequence controls with sensors, actuators, interlocks, operating modes, and fault handling

Education

- **Computer Engineering (B.Sc.)** 10/2023 – expected 2027
Technische Hochschule Mittelhessen (THM)
 - Relevant modules: operating systems, embedded design, network architecture, industrial control systems, and software engineering
 - Contributed to the administrative platform for the MICRO Remote Lab for Embedded Systems
 - Participated in the Smart Factory project with industrial robotics and an automated production laboratory
- **Erasmus+ Study Abroad Semester** 10/2025 – 02/2026
International Balkan University (IBU), Skopje
 - Completed coursework focused on ERP systems, data mining, and physics, while also acquiring basic Turkish language skills
 - Delivered a keynote presentation at IBUSC25 and participated in an academic debate in an international university setting
- **IHK Apprenticeship as an Electronics Technician for Automation Technology** 09/2018 – 02/2022
Clariant AG & Provadis Professionals GmbH
 - Maintenance, installation, and troubleshooting of industrial automation systems
 - Work with PLC systems, sensors, actuators, and electrical components
 - Support with commissioning, functional testing, and technical documentation

Skills

- **Programming Languages:** Java, Kotlin, Python, C/C++, TypeScript, Bash
- **Web and Backend:** Vue.js, Nuxt, Spring Boot, REST, OpenAPI
- **Infrastructure and DevOps:** Linux, Docker, Docker Compose, Nginx, Git, Proxmox VE, HTTPS
- **Databases and Monitoring:** SQL, PostgreSQL, MySQL, Prometheus, Grafana
- **Automation and Embedded:** TIA Portal, Beckhoff TwinCAT, Siemens SPS, GRAFCET, STM32, CAN, MQTT
- **Languages:** German (C2), English (C2), Croatian (Native language)

Additional Information

- **Interests:** Hiking, Basketball, Chess, Homelab
- **Driving licence:** A2 und B
- **Certifications:**
 - Provadis: Pneumatics, mechanics, PLC programming (TIA Portal), and frequency converter technology