MIHAILO STEFANOVIĆ

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ABOUT ME

Seasoned engineer with extensive experience building embedded systems from zero. Both in agile startups and within corporate R&D environments. I possess the unique skills needed to bootstrap a product from concept to production, handling everything from schematic capture and PCB layout to low-level driver development and system architecture for embedded devices. Over the past decade in R&D teams, I've gained hands-on knowledge across various roles, including hardware design, embedded software including hardware bring-up. I was also one of pioneers in implementing Agile methodologies within hardware development teams at Robert Bosch Serbia and played a key role in establishing one of the most advanced electronics laboratories in the country. Outside of work I'm a HAM operator, I enjoy engaging in unexplored parts of world with my motorbike.

WORK EXPERIENCE

Tara Devices | FOUNDER - FULLSTACK EMBEDDED ENGINEER **Oct 2024 - Present**

Specializing in services in the field of Hardware engineering, PCB Design and Embedded Software.
[Altium] [KiCAD] [Electronics Simulations][C][Python][Git][System design][Requirement Engineering]

Continental | EMBEDDED SOFTWARE ENGINEER **May 2023 - Oct 2024**

Developed and maintained software for Body Control Modules (BCM), collaborating with cross-functional teams to ensure seamless hardware integration, participating in the design of embedded systems, and conducting thorough testing and debugging to guarantee reliability and functionality.
[C][Python][Git][JIRA][Requirement Engineering]

Easy Aerial | SENIOR HARDWARE ENGINEER **Feb 2023 - May 2024**

Led PCB design and development for autonomous drone systems, conducted component testing and validation to ensure optimal performance, collaborated with multidisciplinary teams on hardware integration, and contributed to the continuous improvement of design processes.
[Altium Designer][PCB Layout][C][Requirement Engineering][Git][SVN]

Robert Bosch | EMBEDDED HARDWARE ENGINEER / ECDB Engineer **June 2018 - Dec 2022**

Designed and developed electronic hardware for Power Tools division. Led the Electronics component database team. Managed the project lifecycle from concept and PCB design through simulation, prototyping, validation, and serial production.
[Altium Designer][Altium Nexus][Mentor Graphics][C][Python][FCT][Git]

The School of Electrical and Computer Engineering | Student Assistent **Sept 2014 - Feb 2018**

Taught practical lessons in Electronics, Automatics, and Computer Science; developed educational tools and PLC control panels for automation systems; and authored lecture notes for Electronics Materials and Components.
[Industrial Automation][Electronics][PLC Programming][Matlab]

EDUCATION

The School of Electrical and Computer Engineering of Applied Studies
Automatics and Vehicle Control Systems

SKILLSET

Soft skills:

- Analytical thinking
- Attention to detail
- Systems thinking (seeing a big picture)
- Root Cause Analysis & Debugging
- Cross-Functional Collaboration
- Active Listening
- Time Management
- Organization & documentation
- Curiosity and Continous Learning

Hard skills:

- Altium Designer, KiCAD, Mentor
- PCB Layout
- Constraints Management
- High-Speed Digital Design
- Mixed-Signal Design
- RF Desing Basics
- DFM/DFA
- Spice simulations
- C, C++, Python