

Contact

www.linkedin.com/in/

Top Skills

Electronics

Microcontrollers

PCB Design

Languages

Croatian (Native or Bilingual)

Slovenian (Professional Working)

German (Limited Working)

English (Full Professional)

Certifications

AUTOSAR Classic Architecture

Functional Safety According to ISO 26262

Automotive Cybersecurity ISO 21434

Adaptive AUTOSAR

Honors-Awards

Additional Honors & Awards

Publications

Master's Thesis: Development of RFID/NFC based access control system

Shadee Mcgilvary

Embedded Software Engineer at Samsung SDI Battery Systems GmbH

Austria

Summary

Experienced Embedded Software Engineer with a demonstrated history of working in the Embedded industry. Skilled in SolidWorks, Electronics Hardware Design, Atmel AVR, Electrical Engineering, and LTSpice. Strong engineering professional with a Master's degree focused in Electrical and Electronics Engineering from University of Maribor, Faculty of Electrical Engineering and Computer Science.

Experience

Samsung SDI Battery Systems GmbH

Embedded Software Engineer

February 2022 - Present (2 years)

Kalsdorf bei Austria

AUTOSAR Basic Software Engineer,

- > Embedded development for BMS (BSM, BMM and BDUE),

- > CDD Implementation, Cell configuration, Cell voltage/temperature measurement, Cell balancing, current measurement,

- > MCAL implementation, PWM, GPIO, NVM, DCM, DEM, MPU

- > Implementation of Watchdog and WdgTst for SBC,

- > DD in DOORS and EA for responsible BSW components,

- > Review of other BSW components as well DOORS and EA,

- > ASPICE, V-Model, ISO26262,

- > Part of FDT team,

- > Embedded C, Python, EB Tresos Studio, DaVinci Configurator, DaVinci

Developer, DOORS, EA, CANalyzer, CANape, TRACE32, Git, PTC,

Bitbucket, LT Spice, Scons, Collaborator, Tasking C, Mentor Graphics, Altium Designer

Spyrosoft

Embedded Software Engineer

April 2021 - February 2022 (11 months)

Zagreb, Croatia

- > Embedded C/C++, Linux, QNX
- > Vector AUTOSAR Adaptive basic certificate
- > AUTOSAR Adaptive
- > Development Classic AUTOSAR & Adaptive AUTOSAR For Safety Path

ZF Group

Embedded Software Engineer (External)

April 2021 - February 2022 (11 months)

Friedrichshafen, Baden-Württemberg, Germany

During my time in Spyrosoft I worked as External Embedded Software Engineer for ZF Group. I worked in the team which was responsible to implement driver for adaptive application on NVIDIA Xavier. Project was based on Adaptive AUTOSAR platform.

Elektrobit

Embedded Software Engineer (External)

July 2019 - April 2021 (1 year 10 months)

Erlangen, Bavaria, Germany

GlobalLogic

3 years 1 month

Embedded Software Engineer

January 2019 - April 2021 (2 years 4 months)

Zagreb, Croatia

- > Embedded C/C++, Python
- > MISRA guidelines
- > AUTOSAR Classic
- > Development of FOTA features for German manufacturer
- > Development of security features for master ECU
- > Vector CANoe, CANdela studio, EB Tresos Studio, Git, Gerrit, Tortoise SVN, TRACE32, Jenkins
- > Collaboration with Elektrobit

Junior Embedded Software Engineer

April 2018 - January 2019 (10 months)

Zagreb, Croatia

- > Embedded C, XML, XSLT
- > MISRA guidelines
- > AUTOSAR Classic
- > Worked on ICAS1 project for German manufacturer
- > ECU diagnostic on application level

- Vector CANoe, EB Tresos Studio, Perforce, Jenkins, winIDEA
- Collaboration with Continental

Continental

Embedded Software Engineer (External)

April 2018 - July 2019 (1 year 4 months)

Regensburg, Bavaria, Germany

During my time in GlobalLogic I worked as External Embedded Software Engineer on projects for VW ID.3 and ID.4.

MLC Electronic d.o.o.

Student Worker - Embedded Engineer

April 2017 - March 2018 (1 year)

Zagreb, Croatia

Embedded HW/SW Engineer for PCBs which are used in elevator industry.

Technologies which I used in my daily work: Altium Designer, LTSpice,

Embedded C, Keil uVision IDE, CANalyzer

Byte Lab

Student Worker - Embedded Engineer

February 2017 - April 2017 (3 months)

Zagreb, Croatia

Hrvatski Telekom

Student Worker - Customer Service Agent

July 2012 - June 2015 (3 years)

Zagreb

Education

Faculty of Electrical Engineering and Computer Science, University of Maribor

Doctor of Philosophy - PhD, Electrical and Electronics Engineering · (2020)

Faculty of Electrical Engineering and Computer Science, University of Maribor

Master's degree, Electrical and Electronics Engineering · (2015 - 2018)

Technical University of Applied Sciences Zagreb

Bachelor of Engineering (B.Eng.), Electrical, Electronics and Communications
Engineering · (2010 - 2015)

I. technical school TESLA

High School, Electronics · (2006 - 2010)