

Contactați

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Aptitudini principale

Presentations

Technical Presentations

High-Voltage Engineering

Languages

Engleză (Full Professional)

Germană (Limited Working)

Certifications

Design for six sigma

Leadership Skills

Step up 2 management

Publications

Power line communication channel noise source detection using smart meters

Hardware and Software Integration of an Electrophoretic display on a smart meter

Passive Power Line Communication Filter Design and Benchmarking Using Scattering Parameters

Hardware and Software Implementation of a Self-Calibrating Smart Meter with Tamper Detection

Design and development of an electricity Meter Test Equipment

Sebastian Avram

Electronics Team Lead at Forvia (Hella) special applications
România

Rezumat

Currently I am leading a team responsible for the design of electronic products for special applications: <https://www.hella.com/soe/en/Products-1356/>

I have 9 years of experience working in design and development activities for electronic products.

My skills include: develop and validate hardware designs, elaborate project plans and test plans, manage technical discussions with customers, team development, elaborate and maintain specifications, maintain hardware related project documentation, ensure that the product has the appropriate quality and reliability level, optimize the design in terms of product cost and industrialization.

Experiență

HELLA

Electronics Team Lead

ianuarie 2022 - Present (1 an 10 luni)

Timișoara, Timiș, Romania

Vitesco Technologies

Hardware Project Manager

ianuarie 2020 - ianuarie 2022 (2 ani 1 lună)

- Plan and track all electronics discipline deliveries and related activities according to Customer / internal milestones required scope and quality.
- Manage and drive the electronics team to achieve the project goals in terms of scope, timing and quality.
- Assure electronics development according to the valid development process.
- Lead electronics relevant requirements engineering from initial analysis through

test execution.

- Prepare and perform electronics discipline releases.
- Handle critical situations that occur during electronics project development.
- Take decisions and assume possible risks when necessary.
- Evaluate the necessary roles and define adequate project organization.
- Ensure the communication with other disciplines (software, mechanical, layout, production, system) within Customer Application cluster as well as within generic cluster of Technology and Platform.

Honeywell

4 ani 6 luni

Hardware Team Lead

februarie 2019 - ianuarie 2020 (1 an)

Timis County, Romania

- Lead a team of hardware engineers in researching, defining, designing, testing, and introducing into production electricity smart meters
- Participate in technical discussions and have strategic influence in making decisions
- Help the team members to develop their careers, assigning them to tasks tailored to their skill levels, long-term skill development, personalities, and work styles
- Assessed employee performance, helped those with under performance and promoted performance; in collaboration with HR helped those with under-performance
- Working closely with HR in order to keep the team motivated
- Communicate cross-functionally and drive engineering efforts

Product Owner Hardware

august 2017 - ianuarie 2020 (2 ani 6 luni)

Timis County, Romania

- Responsible for the development of the hardware part of 2 electricity smart meters
- Coordinating the HW development team and activities to achieve the project milestones
- Developing the product using the Gate process model
- Developing the smart meter architecture together with senior HW team members and other disciplines such as firmware, mechanics, manufacturing, product management and user experience experts
- Responsible of product cost and optimize product cost by following that VE/CE ideas are validated and implemented into the design

- Participating in client review meetings
- Maintaining product documentation: generating BOMs, releasing ECNs
- Participating in the development of test plans and reviewing test results
- Developing and/ or maintaining specifications for custom made parts
- Developing and/ or maintaining production test specifications
- On project side reporting to the project manager and on technology side reporting to R&D manger

Senior Advanced Hardware Engineer
 august 2015 - august 2017 (2 ani 1 lună)

- Designing and testing of switched mode power supplies
- Designing of communication interfaces in accordance with client specifications
- Contributing to the meter architecture
- Writing specifications for custom mode components
- Writing Hardware specifications and test cases for hardware components
- Contributing to DFMEA, test plans,
- Define HALT and ALT test procedures together with reliability experts
- EMC testing and debugging

Elster Rometrics
 2 ani 7 luni

Hardware Engineer
 iulie 2013 - iulie 2015 (2 ani 1 lună)

- Designing and testing of switched mode power supplies
- Designing and testing of wired interfaces
- Components qualification
- ALT testing
- Type testing
- Hardware testing

Intern
 ianuarie 2013 - iulie 2013 (7 luni)

Working on the diploma project with the title: "Hardware and software implementation of an embedded metering webserver"

Studii

Politehnica University of Timisoara

Doctor's Degree- ongoing, Electrical, Electronics and Communications Engineering · (2015 - 2021)

Politehnica University of Timisoara

Master's degree, Electrical, Electronics and Communications Engineering · (2013 - 2015)

Politehnica University of Timisoara

Bachelor's degree, Electrical, Electronics and Communications Engineering · (2009 - 2013)

Colegiul Național 'Constantin Diaconovici Loga' - specializarea

Absolvire liceu, Științe ale Naturii · (2005 - 2009)