

# Alexandru Marincu

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## EXPERIENCE

### Software Architect

🏢 *Continental Automotive, Timișoara (Romania)*

📅 JAN 2024 - PRESENT

### SW Team Leader

🏢 *Continental Automotive, Timișoara (Romania)*

📅 SEP 2022 - PRESENT

### Scrum Master

🏢 *Continental Automotive, Timișoara (Romania)*

📅 JAN 2021 - JAN 2024

- Scrum master role in one of the teams working on the tachograph device software;
- Project level metrics;
- Involvement in JIRA workflow setup.

### Embedded Software Developer

🏢 *Continental Automotive, Timișoara (Romania)*

📅 DEC 2017 - PRESENT

- Develop new features / investigate and fix bugs in software for tachograph devices.

#### ★ Tools



#### 🖥 Projects

- [Cbject](#)
- [Tiva playground](#)
- [Hacker Calculator](#)
- [Pocket Songbook](#)

#### 📜 Certifications


- [Certified Scrum Master](#)

#### 🗣 Languages

- Romanian (native)
- English (advanced)

## Software Developer Trainee


 *Continental Automotive, Timișoara (Romania)*


 *SEP 2017 - DEC 2020*

Intensive training in embedded software development with the following topics:

- Embedded software development know-how;
- C programming;
- Integrated analog and digital circuits;
- Microcontrollers;
- Software development process.

## Structural Engineer


 *Sellm, Timișoara (Romania)*

 *MAY 2015 - SEP 2017*

- Structural design and analysis of civil and industrial buildings;
- Technical documentation and calculation reports;
- Technical drawings;
- On-site engineering.

## Junior Engineer


 *Incontro Prefabbricati, Timișoara (Romania)*

 *MAY 2015 - SEP 2017*

- On-site engineering;
- Reports of activity on construction site;
- Measurement Books for Bill of Quantities, Material Approval Forms and Method of Statement about the works done on construction site;
- Presenting and discussing the above-mentioned documents with consultants of the client;
- Updating the project planning according to the situation on-site.


## Structural Engineer


 *Freelancing*

 *JAN 2014 - PRESENT*

- Collaborations with different building design engineering firms;
- Structural design and analysis of civil and industrial buildings;
- Technical documentation and calculation reports;
- Technical drawings.

## Research Assistant

 *Polytechnic University, Timișoara (Romania)*

 *DEC 2013 - JUN 2014*

- Research involving the prequalification of beam-to-column joints for multi-story steel structures;
- Development of analysis models using OpenSees software, Tcl programming language, and SIMULIA Abaqus FEA software;
- Statistical analysis of data using R programming language and Matlab.


## Erasmus placement during Masters Degree

 *Federico II University, Naples (Italy)*

 *JUL 2013 - SEP 2013*

- Structural design and analysis of steel multi-story buildings;
- Seismic performance assessment of steel moment-resisting frames having rigid full-strength or semi-rigid partial-strength joints;
- Development of analysis models using OpenSees software, Tcl programming language, and SAP2000 software;
- Statistical analysis of data using the R programming language.

## Structural Engineer


 *Cimam, Timișoara (Romania)*

 *SEP 2012 - MAY 2013*

- Structural design and analysis of civil and industrial buildings;
- Technical documentation and calculation reports;
- Technical drawings.

## EDUCATION

### Master of Science - Advanced Design of Steel and Composite Structures

 *Polytechnic University, Timișoara (Romania)*


 *2012 - 2014*

### Bachelor of Science - Civil Engineering

 *Polytechnic University, Timișoara (Romania)*

 *2008 - 2012*

### Computer programmer and operator

 *Grigore Moisil High School, Timișoara (Romania)*

 *2004 - 2008*

Mathematics & IT

## COURSES


### Certified Scrum Master

 *learningconnexions.com - Colin Bird, Jem Jelly*

 *OCT 2020*

Agile methodology, Scrum guide, preparation for Certified Scrum Master exam.

## Design Patterns

 *memIQ - Dorin Mancu*

 *DEC 2019*

Object-oriented design principles.

## The Complete Android Oreo Developer Course

 *udemy.com - Rob Percival, Nick Walter*

 *2018*

A course about Android App Development.

## Introduction to Computer Science

 *edx.org - Harvard University*

 *2017*

C programming, Python, introduction to HTML, CSS, SQL.

## Computing for Data Analysis

 *coursera.org - Johns Hopkins University*

 *2012*

Introduction to R programming and data analysis.

## Others

- PCM (Process Communication Model)
- Unit Testing