



## Tine Lazar

SOFTWARE ENGINEER

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## Languages

Estimated according to: Self-assessment Grids (CEFR)

\* ÖSD Certificate

	Writing	Spoken		Reading	Listening
		Production	Interaction		
English	B2	B2	B2	C1	B2
German*	B2	B2	B2	B2	B2
Portugues	A1	A1	A2	A2	A2
Slovenian	C2	C2	C2	C2	C2

## About me

I am a Software Engineer with Mechanical Engineering background, based in Loulé, Portugal. I am honest, communicative, hardworking and always up for a challenge. I am self-thought, motivated and I always give my best.

I spend my free time relaxing on the beach, swimming, reading a good book, walking my dog Nico, riding motorbike and running. For a home project, I am developing and constantly improving a trading bot for stocks and cryptocurrencies.

## Skills

**Soft skills:** Leadership, teamwork, communication, creative-thinking, problem solving, time management

**Operating systems:** Linux, Mac OS, Windows

**Programs:** Microsoft Office, Visual Studio, Visual Studio Code, Adobe Acrobat Pro, Ansys Mechanical, Creo Parametric, Wolfram Mathematica, MATLAB, Solidworks, Solidworks Simulation, AutoCAD, LaTeX, ShipConstructor.

**Programming languages and systems:** C#, Python, Java, JavaScript, HTML, CSS, MySQL, Azure DevOps, GitHub

**Platforms, frameworks, packages:** .Net, WPF, Prism, Unity container, Selenium, Pandas

**Patterns and principles and paradigms:** MVVM, Singleton, DI, IoC, Pub/Sub, OOP

**Driving licence:** A and B category

## Work experience

Nov. 2019 - Present

**Assistant head of Mechanical design department / Kolektor Etra d.o.o., Ljubljana**

- Planning and organizing work for seven Chief Mechanical design engineers.
- Designing the largest and most demanding projects, especially for offshore wind farms and analysing them with FEM. Communication with clients and conforming with their demands.
- Leading the constant improvement and development of processes and participating in developing an Informational Backbone of Kolektor Etra as a part of Kolektor Group.
- Automation:
  - developing and maintaining software for: change management,
  - automation of daily tasks,
  - developing and maintaining software for predicting, planning and monitoring work of technical department,
  - developing and maintaining internal software for comprehensive mechanical analysis (stress, seismic, harmonic...)

Feb. 2016 – Nov. 2019

**Chief mechanical design engineer** / Kolektor Etra d.o.o., Ljubljana

Designing entire mechanical housing for power transformers, assembling and transporting concepts with comprehensive mechanical stress analysis. Developed a robust system for parametric design including importing pre-calculated electrical parameters.

Feb. 2015 – Feb. 2016

**Mechanical design engineer** / Kolektor Etra d.o.o., Ljubljana

Designing covers for power transformers. Developed a program for calculating pressure losses in Cooling systems in VBA.

2010 - 2015

**Student work – research and development** / TIN d.o.o., Koper

Developing systems for producing and pressure testing fiberglass reinforced polymer (FRP) pipelines. Developing programs in VBA, MATLAB and Wolfram Mathematica.

2007 - 2009

**Student work – mechanical design** / Mareva d.o.o., Lucija

Designing mega yachts for CRN Yacht, using CAD programs such as AutoCAD and ShipConstructor, for mechanical analysis Ansys.

7/2007 – 9/2007

**Student work – work in production** / Cergol in Hmeljak, orodjarstvo d.o.o., Hrpelje

## **Education**

2011 - 2014

**Master of Engineering in Mechanical Engineering** / Faculty of Mechanical Engineering Ljubljana

Graduated with a Master's thesis with the title: "Development and optimization of a machine for composite reinforced sleeves pressure testing".

2008 - 2011

**Bachelor of Engineering in Mechanical Engineering** / Faculty of Mechanical Engineering Ljubljana

2004 - 2008

**Secondary School degree** / Secondary school Sežana

## Courses and seminars

February 2019

Conference: Smart Factories / Microsoft, Ljubljana

2018-2020

Course: German language for ÖSD Certificate: Niveau B2 / Mint, Ljubljana

November 2017

Course: Windchill for implementers of development processes / Audax, Ljubljana

October 2017

Course: Intro to Windchill PDMLink for implementers of development processes / Audax, Ljubljana

March 2017

Course: On-load tap changers for Power Transformers/ Maschinenfabrik Reinhausen

November 2016

Seminar: European requirements for metal structures in their mandatory CE marking - CPR requirements in groups of standards SIST EN 1090 / SIST, Ljubljana

MARCH 2016

Course: Ansys Mechanical, Ansys Meshing & Ansys DesignModeler / SimTec, Greece