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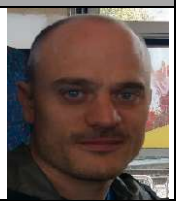

Work experience	
Company **Role** From – To Key duties and responsibilities	**Bolt, Foodora food and people delivery service** **Freelancer** 1. 6. 2022 – 18.4.2024 **-Delivering food and perosns**
Company **Role** From – To Key duties and responsibilities	**Garreett Motion Brno** **Validation engineer** 1. 3. 2022 – 31.5.2022 **-Analysis of the efficiency of a prototype of electric motor for electric vehicle**
Company **Role** From – To Key duties and responsibilities	**MycroftMind Brno** **Database specialist** 1. 12. 2021 – 28.2.2022 **-Mining data from database in GraphQL language**
Company **Role** From – To Key duties and responsibilities	**Nuclear Research Center, Řež, Czech Republic** **Hydrogen technology specialist** 1. 11. 2020 – present **- Construction of an electric vehicle with hydrogen travel extender**
Company **Role** From – To Key duties and responsibilities	**ZF Engineering, Pilsen, Czech Republic** **Software Test Engineer – automated car transmission (external employee)** 10. 10. 2016 – 31. 8. 2020 - Designing of software tests – test case sets - Manual testing of designed test cases by HIL simulator dSpace at the environment ETAS INCA
Employer **Role** From – To Key duties and responsibilities	**Continetal Automotive Czech Republic Ltd., Brandýs nad Labem** **Test Engineer of electronic control units for car fuel pumps** 1. 7. 2015 – 30. 6. 2016 **-Construction and commissioning of new electronical testing towers for electronical control units of automobile fuel pumps based on electrical test specification** **-Sequence programming** of automated tests in the application **TestExec Agilent** **-Creation of statistical analysis and measuring and process capability for serial testing (MSA, PSA)** **-Ordering of electrical and mechanical components** for construction **of the testers** **-Support of quality department, maintenance department and production department**
Employer **Role** From – To Key duties and responsibilities	**Siemens Electric Machines Ltd., Drásov, Czech Republic** **Commissioning Engineer of electric rotating machines** 1. 10. 2014 – 31. 3. 2015 **-Commissioning of new electric rotating machines (generators mainly), including adjusting of voltage regulators** **-Organising and leading of service trips abroad** and implementation of necessary service actions **-Communication with foreign service partners and customers**, dealing with their request (quotations, orders processing, claims settlements, technical assistance)

Employer	**Tedom Inc., Třebíč, Czech Republic**
Role	**Commissioning Engineer of CHP cogeneration units**
From – To	1. 7. 2013 – 30. 6. 2014
Key duties and responsibilities	-**Service of CHP units** (Combined Heat and Power units) with **gas combustion engines** (service of the electrical part as well as service of the combustion engine and parts connected to the boiler room systems – gas, exhaust, water and electrical power and signal route) -**Bringing new units into operation –** electrical **switchboard installation, PLC** programming, adjustment of industrial automation systems (**servomotors**, sensors, pumps, fans, **valves, 3-way valves**) -**Organising and leading of service trips abroad** and implementation of necessary service actions -**Communication** with **foreign** service **partners** and **customers**, dealing with their request (quotations, orders processing, claims settlements, technical assistance) -**Translations** of technical documents -Dealing with **spare parts supplies** to foreign countries and creating **billing documents** -**Remote monitoring of CHP units** – monitoring of CHPs´ operation, evaluating their condition and scheduling service actions

Education

Master study	**Faculty of Electrical Engineering and Communication, Brno University of Technology, Czech Republic** **Power Electrical Engineering study programme**
From – To	09/2009 – 06/2012
Reached degree	**Engineer**
Key knowledge	Knowledge of **production, transmission, distribution, use, quality and economy** of electrical energy. Knowledge of **renewable energy sources**, **lightning and heating technology**, **electrical machines**, appliances and their **protection**.
Bachelor study	**Faculty of Electrical Engineering and Communication, Brno University of Technology, Czech Republic** **Microelectronics and technology study programme**
From – To	2004 – 2009
Reached degree	**Bachelor**
Key knowledge	Knowledge of **analogue and digital circuits**, their design and **computer simulations**, technology and design of **integrated circuits** and **VHDL language**. Knowledge of materials and manufacturing processes, design and production of **printed circuit boards**, **surface mount technology**, testing and **measuring technology**. Basic knowledge of **information and communication technology**.

Further education

React academy	**Engeto – IT education institution**
From – To	6/2024-7/2024
Reached degree	**Certificate about gradutating and completing the projects – see github: mzeleny83**
Key knowledge	Introduction to React UseState and projects UseEffect and API Manipulation with components Multipage web
Java academy	**Engeto – IT education institution**
From – To	5/2024-08/2024
Reached degree	**Certificate about gradutating and completing the projects – see github: mzeleny83**
Key knowledge	Variables and data types Classes and objects Conditions and cycles Git, GitHub Files, Exceptions Collections, array Example, OOP, project Rest API, Spring Boot REST API in Spring Boot, Maven Introduction to testing Project working with database Git in team, GitHub Actions, second project

Frontend developper academy	**Engeto – IT vzdělávací instituce**
From – To	12/2023-03/2024
Reached degree	**Certificate about gradutating and completing the projects – see github: mzeleny83**
Key knowledge	Introduction to HTML and CSS Advanced propperties of CSS Responsive webdesign Flexbox Introduction to JavaScript Data types, creation of html tags and adding into html page Conditions, logical operators and functions Events, arrays and cycles Math and fortune, refactoring Working with forms and other practical projects Basics of object oriented programming 4 key principles of OOP Asynchronous JavaScript and API
Python academy	**Engeto – IT education instituttion**
From – To	01/2022-05/2022
Reached degree	**Certificate about gradutating and completing the projects – see github: mzeleny83**
Key knowledge	Introduction to programming Conditions and methods Dictionnaries and sets For cycle While cycle Libraries, modules and packages Introduction to functions Advanced work with functions Work with files and text Exceptions and debugging File formats Introduction to Web Scraping
Lifelong learning	**Faculty of Information Technology, Czech Technical University in Prague**
From – To	9/2015 – 02/2016
Key knowledge	**Administration of computer networks** **Web Basics** **Administration of Windows and Windows Server** **Computer Systems Architecture -** processors, memory, pipelining **Database systems - relational databases, SQL**

Other skills and certificates	
Languages	**Czech**: native language **English**: advanced (B2 – C1 according to CEFR) **French**: very advanced (C2 according to CEFR)
PC and IT skills	**Programming in Java – InteliJ Idea** **Programming in Python language - Pycharm** **Programming in C++ language – Borland C++ Builder** **Programming html and CSS and JS – VSCode** **Programmes for testing SW and HW: ETAS INCA, TestExec Agilent** **Computational and simulation programmes: Matlab**, **Matlab Simulink, MathCad**, **ANSYS Workbench, LabView** **Minitab – statistical analysis of serial measuring.** **Windows Server 2008, Oracle SQL Developer, WireShark, OS Linux, OS Debian** Programmes for **designing and simulating of electrical circuits: PSCad, OrCad PSpice, Microcap, Snap** Programmes for designing of **PCBs (Eagle)** **CAD programmes: AutoCAD, Inventor, 3DSMax** Corporate information systems: **SAP**, **CEOS**, **ESO, Clear Case, Clear Quest, Doors, Exam**

Professional skills	**Testing software on HIL simulators dSpace in the environment ETAS INCA** **Automated testing of hardware on simulators Agilent in the environment TestExec Agilent** Serial communication protocols **CAN, FlexRay, K-Line** and software **CANoe** **Electrical measuring and its** automation**, statistical analysis of measuring** **VHDL** language programming in **Xilinx ISE** **Administration of PC networks** **PCBs, SMT technology, integrated circuits, analog circuits, digital circuits** Industrial **automation – servomotors, trojcestné ventily, čerpadla, ventilátory, plynové ventily, senzory** **Electrical installations of all voltages,** electrical **switchboards, generator power outlet, electric** machines and device protection **Electric rotating machines – generators, motors, servomotors, voltage regulators** **CHP units** (cogeneration units), **Combustion engines** **Quality of electrical power and EMC** (electromagnetic compatibility)
Courses and certificates	**Driving licence A, B** **Electrotechnical qualification –** from 3.5. 2022 to 3. 5. 2025 **Python academy** – course of programming in Python