PERSONAL INFORMATION

ZORAN SOSTARIC

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Sex: **Male**

Date of birth: **27/10/1985**

Place of birth: Karlovac – Croatia

Nationality: Croatian

Personal Status : married

ACTUAL OCCUPATION AND EXPERTISE

Nov,2023 – Present
Tasks

Owner at Greencraft automation as control automation engineer and full stack developer

-PLC software development & commissioning (Siemens, Allen Bradley, WAGO, ODOT, *General electric*,)
HMI development & commissioning (Wincc, Intouch,Zenon, Factory Talk, RSView 32, Weintek HMI codesys, UNI OP
-Industrial automation consulting
 Customer training for PLC-s and Scadas, IBA systems configuration
-Web application development (Django(python), html,css, javascript,AWS**,)**
-Official distributor of ODOT industrial equipment www.odotautomation.com

Projects

Check In terminal Airport Zadar Croatia Customer KPMetal d.o.o
(electrical cabinet assembly, electrical drawings and software (TIA)
Water Treatments for Thesalloniki area Greece(Siemens)

Web application https://idc.hr/ : E commerce site for dental products, Customer : IDC d.o.o

Develop and maintain web frontend and backend custom ecommerce site with dental products using Django framework, Python, Html 5 , CSS,Javascript, Jquery
-CSS optimized with media queries for all platforms., FrontEnd based on Bootstrap 5 framework
-It is more then 3000 products and vast of related variants, where database had to be generated through specific relations defined by customer in excel tables.
-Generating pdf offers,qr codes for payment
-AWS storage of static files
-Languages with django localization
-SEO optimization, automatic generating of relevant meta data from products descriptions .
-Social app authentication with google and Facebook
-App deployed on Heroku
-Improving response time by caching different, not often,changed requests, lazy loading of files and images
-Improved session management for better usability
-Mass mail management
-Forms validation
-Blog management
-CMS system
-Search system
- Warehouse Management System with Barcode Scanning integration

Web application https://traveldoctor.mx/ : Customer : Private clinic Mexico, Puebla
- Developed web app frontend using HTML5,CSS,Javascript and backend using Django, Python framework .

In app available:
-user authentication also with social accounts Facebook and Twitter
-custom user profiles (for medical specialists), generating and dynamic rendering of their profile, based on inputs from Django forms, for their own web page created in few minutes .
-search doctor specialists through Mexico which exist in application database, and from Google and Yelp data trough theirs API-s, visualization on google maps with possibility to search specialists based on user nearby location
-rating and comments available for each profile
-E-commerce site with products created by user integrated with STRIPE, accepted all cards
-Blog creation by users
-Newsletter, integrated with SendGrid
-AWS storage for static files
-Languages with Django localization
-SEO optimization for each user and product, meta data generated according data from products
-Django forms validation
-Marketing done through Facebook and Google ads with best digital marketing practices.
-App deployed on Heroku
-Automatic resizing of uploaded images with Python code in order to reduce size and page response

Dec,2014 – Present	**Automation engineer**
Tasks	-**PLC,HMI,SCADA programming** (S5,S7,TIA, Codesys based PLC-s;Allen Bradley, WinCC,InTouch, Factory Talk,Zenon)

-**PLC,HMI,SCADA programming** (S5,S7,TIA, Codesys based PLC-s;Allen Bradley, WinCC,InTouch, Factory Talk,Zenon)
- **Configuration of safety systems** (Pilz, Leuze ..), Siemens Safety PLC-s, Allen Bradley Safety PLC
-**IBA system configuration**
-**Model simulation**
-**Service for customers** (resolving production issues(software, HMI, network, electrical etc..) on Mill lines, Flat lines , Meltshop , CCM, analyze production, upgrades of SW, drives and Hmi-s upgrade, electrical supervising)

Projects

Software development & commission for Induction furnace AbouHashima (Egypt)
- *TIA, S7 , ABB Drives ACS800, DCS 800, Intouch*
Software development for Pusher reheating furnace Sovel (Greece)
- *S5,S7, Siemens drives Sinamics,Wincc*

Commissioning of Walking beam reheating furnace ABS (Italy)
- *Pilz Safety PLC, S7, Sinamics drives Intouch, Zenon*
Commissioning of Water treatment plant ABS (Italy)
- *S7, Intouch*
Commissioning of Induction furnace Sidenor (Greece)
- *S7, Safety PLC,Siemens drives Sinamics, Codesys, Beckoff , Wincc*
Commissioning of Pusher Reheating furnace Sidenor (Greece)
- *S5,S7,Safety PLC, Siemens drives Sinamics, Wincc*
Software development & commission for Continuous Hot Dip Galvanizing Line USCO(Bahrein)
- *S7, CFC, Intouch*
Software development for Continuous Hot Dip Galvanizing Line UISC (United Arab Emirates)
- *Codesys 3.5, Intouch*
Commissioning Mill Speed control for bars & wire rod Cogne (Italy)
- *S7,TIA, Safety PLC*
Commissioning Mill Speed control for bars, shears) & twin channel Induction Furnace Feng Hsin(Taiwan)
- *S7, TIA,ACS 800, DCS 800, Intouch,Zenon*
Commissioning Mill Speed control &shears for bars & wire rod, SIMEC (Mexico)
- *S7, TIA,ACS 800, DCS 800,Wago, Beckhoff, Allen Bradley,Intouch, Zenon*
Commissioning smart pinch roll on wire rod , NUCOR(USA)
- *Allen Bradley, TIA, Sinamics, FactoryTalk*
Commissioning auxiliary systems, Rolling mill & shears, Seixal(Portugal)
- *S7, Safety PLC,Factory Talk*
Commissioning of smart pinch rolls GERDAU CORSA (MEXICO)
- *Allen Bradley, S7, TIA, AMK drives*
Commissioning RM Upgrade drive(&Site manager) , Water cooling systems for Q-One and Induction heaters, Induction furnace CMC Arizona USA
- *TIA*

Software development RMH Meltshop upgrade for L2 systems and HMI upgrade Acerbrag(Argentina)

- *S7*

Software development Pusher Reheating furnace ALFA ACCAI (Italy)

- *General electric, AllenBradley, FactoryTalk*

Software & Commission update for drives upgrade CCM line, (&Site manager) SOVEL (Greece)

- *S7, ACS880,DCS880*

Commission boiler system and service on Tin Plate mill Tosyali Toyo (Turkey)

- TIA

Commissioning copper line Saw IUSA Mexico

- Codesys 2.3, TIA, ACS880

Commissioning Rolling mill line Donalam Romania

- *Allen Bradley, WinCC*

Commissioning & development WCU & process improvement FengHsin Taiwan

- Tia,S7,Codesys

Commissioning & development Cold&hot hybrid rolling Induction and Reheating furnace Sovel Greece

- S7, Intouch

DETAILS ON PROJECTS AT : https://www.greencraftautomation.hr/automation_projects.html

Interventions

Annealing furnace	ArcelorMittal Poland
Wire rod line	MSW Trier Germany
Saw	Gerdau Corsa Mexico City
Wire rod line	Nucor Nebraska USA
Training TIA Portal	for CMC POLAND staff
High speed shear	Nucor Nebraska USA
Tin Plate Mill	Niikie Siam Aluminium

May 2014-Dec 2014

Automation engineer

Tasks

Automation engineer at HahnAutomation Inc., Rheinböllen, Germany http://www.hahnautomation.com/

- -PLC,HMI,SCADA programming (S7,TIA, WinCC flexible, RsLogix 500, RSView 32)
  - Configuration of safety systems (Pilz, Leuze ..)
- -Motor commissioning; Siemens (Starter, Drive Monitor), Bosch Rexroth (IndraWorks) ,
- SEW (Movi tools) ,Schunk, Danaher , Omron …
- -Model simulation

Projects

Software development and commissioning machine for Automatic placement of Hardened Spindles (TRW Germany)

Commissioning of machine for Automatic assembly of Gear shaft (ZF Germany)

Commissioning of machine for Tray stacking (AUDI Germany)

March 2014-April 2014

Junior researcher

Brodarski Institut (Ship Institute), Zagreb, Croatia (http://www.hrbi.hr/index.php/en/)

- -Working in ship hydrodynamics laboratories
- -LabView model simulations

Dec 2010-March2014

Technician at Signal Zagreb d.o.o, Zagreb, Croatia (http://www.zagreb-signal.hr/home.htm)

- -Design of interlocking signalling devices for railroads in AutoCad
- -Making technical documentation

Projects

New double railroad line Zagreb-Karlovac

EDUCATION

2011-2013

Master of Science in electrical engineering and information technology

Name and type of organization providing education and training	Faculty of Electrical Engineering and Computing,University of Zagreb Unska 3,10000 Zagreb,Croatia, http://www.fer.hr (ASSIN accreditation)
Principal subjects/occupational skills covered	• Mobile Robotics • Process automation • System Modeling and Simulation • Control of Electrical Drives • Robotic Systems Control • Intelligent Control Systems • Guidance and Control of Marine Vehicles

Bachelor of Science in electrical engineering and information technology

2005-2011	
Name and type of organization providing education and training	Faculty of Electrical Engineering and Computing, University of Zagreb Unska 3,10000 Zagreb, Croatia, http://www.fer.hr (ASSIN accreditation)
Principal subjects/occupational skills covered	• Programming (C, C++, C#, Java,ROS,MATLAB) • Computer architecture • Artificial intelligence • Automatic Control • Linear and Nonlinear Control System Design • Model Predictive Control

2001-2005	Middle school
Name and type of organization providing education and training	Gymnasium Karlovac Rakovac 4, 47000 Karlovac, Croatia
Principal subjects/occupational skills covered	English,German,Mathematics,Physics, Programming C++

PERSONAL SKILLS

Mother tongue   Croatian

Other languages

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C2	C2	C2	C2	C2
Russian	B1	B1	B1	B2	B2
German	B1	B2	B2	B1	B1
Italian	A1	A2	A1	A2	A1
Spanish	B1	B1	A2	A2	A1

Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2 Proficient user
Common European Framework of Reference for Languages

DIGITAL COMPETENCE

SELF-ASSESSMENT				
Information processing	Communication	Content creation	Safety	Problem solving
PROFICIENT USER	PROFICIENT USER	PROFICIENT USER	PROFICIENT USER	PROFICIENT USER

CERTIFICATES

Name	Simatic manager step7 basic course
Issuing Organization	Mainz Institute Germany
Issue Date	May, 2014

Name	Crash Course on Python
Issuing Organization	Coursera -Google
Issue Date	Dec, 2021
Credential ID	RBWUR3DZJWER
Credential URL	https://www.coursera.org/account/accomplishments/certificate/RBWUR3DZJWER

Computer skills and competences(LEVEL)

Level	Skill
Proficient user	Programming (C, C#, Java,,ROS, Python)
Proficient user	HTML5, JavaScript and CSS
Proficient user	PLC programming (Siemens, Allen-Bradley, ABB, Scheneider, Pheonix)
Proficient user	HMI,SCADA (Win CC, RSView 32, Intouch, Zenon, Factory Talk,)
Independent user	Starter, Movitools, IndraWorks, ABB Automation Builder
Independent user	MS Windows
Independent user	Linux
Independent user	Microsoft Office Tools
Independent user	MATLAB Simulink
Independent user	AutoCad
Independent user	Unity 3D
Basic user	LabVIEW
Basic user	Infolytica
Basic user	VHDL
Basic user	Xilinx, Atlas
Basic user	Adobe Photoshop,Blender
Basic user	E-plan
Basic user	AWS

Technical skills and competences(LEVEL)

Level	Skill
Proficient user	Electronics
Proficient user	Digital Electronics
Independent user	Mechatronics

Communication skills / Organisational / managerial skills

Team spirit
Communication and presentation skills
Honesty and responsibility
Work commitment
.

Hobbies

Bridge, Soccer,Tennis