



# Toni Kučić

## Industrial automation professional

Industrial automation engineer specialized in service, maintenance, installation and commissioning of marine industrial automation systems. Three years of experience on the largest container ships in the world. Born 1989 in Croatia's city of Rijeka, known for its open minded views and diverse culture.

### WORK EXPERIENCE

11/2015 - present

#### **ELECTRO-TECHNICAL OFFICER** – CMA CGM, CMA Adriatic I.t.d, Worldwide

- + 6.6kVAC Power Generation and Power management
- + Maintenance, service, installation and commissioning of electrical/ automation systems and equipment required by the Maintenance Program
- + Troubleshooting and problem solving of industrial automation systems
- + Decision making for cable requirements, installation and upgrades of new systems
- + Responsible for ship electric energy efficiency and environmental impact
- + Heating, Ventilation and Air Conditioning systems (HVAC)
- + Managing of Refrigeration engineer team
- + Engine Control systems, Navigation systems
- + Safety tests for all electrical/automated equipment
- + Fire Alarm, IT, AV technology maintenance, service, testing and installation
- + Inventorying and proper use and storage of electrical stores and spare parts, and preparation of requisitions
- + Performing of security duties, anti-piracy disablements and prevention
- + Extensive experience with manufacturers: Wartsila, Himsen, SAM Electronics, Hoppe, Bosung, MAN, Behrens Pumpen, Geamar systems, Westfalia purifiers, Rolls Royce, ABB, Autronica, Consilium

12/2013 – 11/2015

#### **REFRIGERATION ENGINEER (HVAC)** – CMA CGM, CMA Adriatic I.t.d, Worldwide

- + Assisting ETO in his duties when troubleshooting, maintaining and service of industrial automation
- + PCB replacements, product assembly, disassembly and product testing
- + Service, repair and scheduled maintenance on reefer container units and HVAC systems
- + Good understanding of refrigeration theory and thermodynamics of refrigeration gases
- + Reporting of all repairs and maintenance including daily temperature logs of each container
- + Skilled in refrigerant gas manipulation, evacuation, charging, leak detection
- + Greasing, safety rounds, inspections

08/2013 – 12/2013

## **IT TECHNICIAN, WEB DESIGNER, SOCIAL MEDIA ADMINISTRATOR**

– Blue Gym I.t.d, Rijeka, Croatia

- + Maintenance of social media services
- + Product marketing
- + Lecturing articles
- + Web design and Web site maintenance
- + Video and photo manipulation
- + Designing promotive material like flyers, posters, info pads and newsletters
- + Organising events, shows, parties and competitions

09/2007 – 06/2008

## **ASSISTANT ELECTRICIAN** - Shipbuilding industry "3.Maj", Rijeka, Croatia

- + High school practice work
- + I was an assistant electrician working on servicing electronic, electric and IT equipment and systems. I have shown my abilities of fast learning by mastering the majority of problems in that short time.  
The job included:
- + Finding faults and errors using computer programs
- + Service and repair of welding equipment(MIG/TIG)
- + Service and repair of connectors, high voltage cables and electronic control boards
- + Installation of electric power networks in ships superstructure

## **EDUCATION**

10/2011 –10/2013

## **MASTER OF MARINE ELECTRONICS AND INFORMATION TECHNOLOGY**

- University of Rijeka, Maritime faculty, Croatia
- + Applied mathematics in electric engineering
- + Electric ship propulsion
- + Radio waves and antennas
- + Basic level programming and simulating in MATLAB, SIMULINK, AUTOCAD
- + Security of Information Technology systems  
The master dissertation paper titled "Design and uses of mobile offshore bases  
- feasibility of local installation

10/2008 – 06/2011

## **BACHELOR OF MARINE ELECTRONICS AND INFORMATION TECHNOLOGY**

- University of Rijeka, Maritime faculty, Croatia
- + Higher level mathematics
- + Electro-technics 1 and 2
- + Electronic elements and devices
- + Digital electronics
- + Information technologies including programming and simulating
- + Automation: Basic automation, Computer controlled automation
- + 5 semesters of maritime and engineering English  
Bachelor dissertation paper titled: Automation of starting process of ship steam boiler

09/2004 – 06/2008

**TECHNICIAN FOR ELECTRONICS** – High school for Electro-technics and Information technology, Rijeka, Croatia

- + Electric engineering
- + Electric motors and transformers
- + Electric instrumentation and measuring
- + Information technologies
- + Computer software

The degree has been earned by defending the paper and electronic device titled:  
"Automatic night  
lamp

## LANGUAGE

Croatian  
English  
Finnish

### MOTHER LANGUAGE

**EXCELLENT SPOKEN AND WRITTEN, ENGINEERING ENGLISH  
RUDIMENTARY, STARTED STUDYING 2016**

## COMMUNICATION

I have developed my communication skills through my workout club where I have trained many clients and through my job as a social media administrator. Both jobs required close interaction with foreign and local clients.

International communication skills perfected working on the largest International VLCC container ships where I was a part of a working team and later on as a team leader of that same international group.

## ORGANISATION

Team leadership

Proved on board ships that I can easily delegate work and work beside other team members together reaching common goal. Crew onboard is consisted of many nationalities, education and working backgrounds. For success I tend to learn as much as I can about different cultures

Work delegation and organisation

Managing over 50 simultaneous maintenance/repair jobs per month. Realization of long-term(5 year) and short-term maintenance/repair jobs.

## DIGITAL SKILLS

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Excellent ability to use:

- + Microsoft office tools(Word, Excell, Powerpoint)
- + Graphic design and AV tools like Adobe Photoshop and Sony Vegas
- + Good with Matlab and Simulink
- + Security and maintenance of PC networks
- + Skilled in web design (Joomla, Wordpress, HTML)
- + Good with social networks and the Internet
- + Can use all operating systems(Windows, Linux, MacOS, Android).
- + Ability to repair computer software and hardware problems.
- + In depth knowledge of Engine control systems from MAN and Engine control room systems from SAM Electronics
- + PLC programming
- + Started learning AutoCad software in 2016

## JOB RELATED SKILLS

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- + 3+ years work industrial automation experience on largest container ships in the world conducting service, maintenance, installation and commissioning
- + Ability to troubleshoot/maintain virtually any industrial automation problems
- + Experience also with Heating, Ventilation and Air-Conditioning systems
- + Skills not bound to the marine industry
- + Experience working with and leading variety of international people with different backgrounds and skills
- + Very social, ambitious and hardworking person
- + Flexible to easily adjust to unfamiliar devices, problems and systems
- + Fast to learn and understand, eager to teach others
- + Always on time, organised and capable in multi-tasking
- + Fluent English in speaking and writing, rudimentary Finnish
- + Ability to work under stress
- + Ability to work in teams or individually

## HOBBIES

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- + Cycling, Street Workout and sailing on my boat
- + Traveling and meeting new people
- + Fashion, Music, Writing CVs
- + Nutrition and bodyweight training
- + Car detailing, DIY
- + Research of DIY mechanical, electric and art form objects

## CERTIFICATES

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- + Electro-Technical Officer - STCW A III-6
- + Electro-Technical Rating - STCW III/7
- + Application of leadership and team working skills - STCW A-II/1
- + MAN ME Electrician Standard training, MAN Diesel & Turbo
- + Advanced Fire fighting - STCW VI/3
- + Fire fighting, STCW A-VI/1
- + Basic security awareness - STCW VI/6-1
- + Personal and social responsibility, STCW A-VI/1
- + Basic first aid, STCW A-VI/1
- + Personal survival, STCW A-VI/1
- + Basic ship safety, D2, STCW A-VI/1
- + Refrigerant Gases Manipulation Certification & Reefer man Training, CMA SHIPS Internal Training
- + Proficiency in survival craft and rescue boats operations - STCW VI/2-1

## SOCIAL MEDIA

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FACEBOOK:

[www.facebook.com/tkucic](https://www.facebook.com/tkucic)

LINKEDIN:

[www.linkedin.com/en/tkucic](https://www.linkedin.com/en/tkucic)

YOUTUBE:

[www.youtube.com/tkucic](https://www.youtube.com/tkucic)

WEBSITE:

– work in progress, DIY project