



Radoslav Bukov

Date of birth: 03/09/1990

Nationality: Bulgarian

Gender: Male

CONTACT



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[https://github.com/
RadoslavBukov](https://github.com/RadoslavBukov) (GitHub)

WORK EXPERIENCE

01/01/2020 – CURRENT Smolyan, Bulgaria

Head of Automatisatation Department and Electrical Maintenance Hronovsky BG

Main PLC Programmer responsibilities:

- Update, maintain and implement improvements in the PLC software;
- Installation, setup and develop specialized automated devices such as PLC, Visual systems, Industrial robots, Electronic sensors and others;
- Design and manufacture, assembly and installation of automation systems;
- Creating a complete concept for development, programming, implementation and design change of automated equipment;

PLC systems work with:

- Beckhoff - BC, BX, Embedded PC (TwinCAT - ST);
- Wago (CodeSys - ST);
- Mitsubishi - FX, FN (GX IEC Developer - ST);

Main Head Responsibilities:

- Coach and help develop team members.
- Develop a strategy the team will use to reach its goal.
- Provide any training that team members need.
- Monitor team members' participation to ensure the training they providing is being put into use, and also to see if any additional training is needed.
- Manage the flow of day-to-day operations, coordinate team tasks, execution of an operative schedule.
- Create an environment oriented to trust, open communication, creative thinking, and cohesive team effort.
- Coordinate with internal and external customers as necessary.
- Familiarize the team with the customer needs, specifications, design targets, the development process, design standards, techniques and tools to support task performance.
- Coordinates meetings with the product committee, project manager and functional management to discuss project impediments, needed resources or issues/delays in completing the task.
- Provide status reporting of team activities against the program plan or schedule.

01/04/2016 – 01/01/2020 Smolyan, Bulgaria

Head of Automation department and Electrical maintenance Kostal Bulgaria Ltd.

Main PLC Programmer responsibilities:

- Update, maintain and implement improvements in the PLC software;
- Installation, setup and develop specialized automated devices such as PLC, Visual systems, Industrial robots, Electronic sensors and others;
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- Coordinates meetings with the product committee, project manager and functional management to discuss project impediments, needed resources or issues/delays in completing the task.
- Provide status reporting of team activities against the program plan or schedule.

Address Smolyan, Bulgaria

08/08/2014 – 01/04/2016 Smolyan, Bulgaria

Automation engineer Kostal Bulgaria Ltd.

Main responsibilities:

- Update, maintain and implement improvements in PLC software;
- Installation, setup and develop specialized automated devices such as PLC, visual systems, industrial robots, electronic sensors and others;
- Design and manufacture, assembly and installation of automatisisation systems;
- Creating a complete concept for development, programming, implementation and design change of automated equipment;
- Makes technical changes to the automated devices, correct defects of automated equipment and perform set tasks;
- Responsible for the overall maintenance of all automated systems in production (PLC, Vision systems, Robots and etc.).
- Working with colleagues from other departments in relation to the improvement of automation systems;

Systems work with:

PLC:

- Beckhoff - BC, BX, Embedded PC (TwinCAT - ST);
- Wago (CodeSys - ST);
- Mitsubishi - FX, FN (GX IEC Developer - ST);
- Festo (CodeSys - ST);

Vision System:

- National Instruments (Vision Builder AI);
- Keyence - CV 035C, CV 200C (CV-5001P Controller);

Vision Sensors:

- Sick - Inspector I40 (SOPAS Single Device);
- Keyence - IV 500CA (IV Navigator);
- Cognex - 4G7 (Checker);
- Omron - ZFX;
- Baluff (BVS ConVis);
- Festo - SBSI (Vision Sensor);

Industrial Robots:

- Staubli - TX40, TX60, RS40 (Staubli Robotics Suit);
- Janome - Scara Robots JS350 (Janome JR C-Points);
- Mitsubishi - MELFA RH-3FH, RV-4FLM ;
- Fanuc - SR3IA;

Servo motors:

- Festo -CMMO (FCT) ;

Electrical screwdriver:

- Desoutter CVIC, CVIL, CVIR, ERS;

Analog Sensors:

- Kistler, Megatron etc.

Software of the End Of Line Testers:

- EMPPC;
- TestMan;

Industrial Sensors:

- Kistler, Keyence, IFM, Baluff, IPF, Festo, Wenglor, Sick, Eaton, Banner etc.

Pneumatic Components:

- Festo, SMC;

Address Smolyan, Bulgaria

11/06/2012 – 17/09/2012

Automatic machine operator Schneider electric

- Maintenance and adjustment of automatic assembly machine.

Address Plovdiv, Bulgaria

01/07/2011 – 29/08/2011

Machine operator Schneider electric

- Production of components for electrical safety switches

Address Plovdiv, Bulgaria

EDUCATION AND TRAINING

11/2021 – 04/2023

Python Web Developer Software university (SoftUni)

- Python Fundamentals
- Python Advanced
- Python OOP
- Python Web Basics
- Python Web Frameworks - Django
- HTML & CSS
- JavaScript Front-end

15/10/2013 – 30/06/2014 Plovdiv, Bulgaria

Master's Degree, Automation, information and control systems Technical university Sofia, branch Plovdiv

Activities and Societies:

- MatLab Simulink
- Optimal Control
- Adaptive Control
- Automated Manufacturing Systems
- Robotics
- System Analysis
- Control of Industrial Manipulators

Address Plovdiv, Bulgaria

24/02/2014 – 26/05/2014 Brno, Czechia

Master's degree, Mechatronics, Robotics, and Automation Engineering Brno University of Technology

Erasmus Program:

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- Control Theory
- Digital Signal Processing
- Robust and Algebraic control

Address Brno, Czechia

15/09/2009 – 30/09/2013 Plovdiv, Bulgaria

Bachelor - Engineer of automatics, information and control systems Technical university Sofia

- MatLab Simulink
- Programming and application of computer
- Fundamentals of engineering design
- Control theory
- Microprocessors
- Computer simulation
- Computer control systems
- Computer integrated manufacturing systems
- Automation of technological processes
- Automation of production mechanisms

- Analysis and pattern recognition and scene
- Artificial Intelligence
- Logical control

Address Plovdiv, Bulgaria

15/09/2004 – 01/05/2009 Smolyan, Bulgaria

Natural-mathematics - mathematics, informatics, german Natural-mathematics school "Vasil Levski"

- Computer competency

Address Smolyan, Bulgaria

LANGUAGE SKILLS

MOTHER TONGUE(S): Bulgarian

Other language(s):

English

Listening
B2

Reading
B2

Spoken production
B2

Spoken interaction
B2

Writing
B2

German

Listening
A1

Reading
A1

Spoken production
A1

Spoken interaction
A1

Writing
A1

DIGITAL SKILLS

MS Office

PROGRAMMABLE LOGIC CONTROLLERS

Beckhoff TwinCat2 | CodeSys | Structured Text | GX IEC Developer | Visual Basic | Beckhoff TwinCat3

WEB DEVELOPMENT

Python | SQL, PostgreSQL | HTTP | C# | Git/ GitHub | REST API's | Django framework | JavaScript | Object-Oriented Programming (OOP). | HTML/ CSS

ADDITIONAL INFORMATION

Driving Licence

Driving Licence: AM

Driving Licence: A1

Driving Licence: A2

Driving Licence: A

Driving Licence: B1

Driving Licence: B

Projects

Projects Diplom work projects:

- "Synthesis of position control of quadrotor"
- "Integration of a visual evaluation system for soldering presence in an automatic assembly system of automotive components"

Management and leadership skills

Leadership skills

- Leadership skills - people management, leadership and development, tasks delegation, performance monitoring, employee motivation.
- Mentoring skills - training and development of people.
- Time management
- Strong problem solver

Communication and interpersonal skills

Communication skills

- Communication skills - effective communication, communication types of people.
- Teamwork skills - initiative, loyalty, tact, mutual assistance.

Certifications

Certifications

- Lean Six Sigma Green Belt Certification
- Leanbg - Leadership and communication skills
- Software University - C# Programming Basics
- Software University - Python Programming Basics
- Software University - Python Fundamentals
- Software University - Python Advanced
- Software University - Python OOP
- Software University - Python Web Basics
- Software University - Python Web Frameworks - Django
- Software University - HTML & CSS
- Software University - JavaScript Front-end
- Desoutter Tools: Desoutter Basic tightening Technique & CVI2 controller settings, CVIPC
- Academia Responsa: Time management
- Alfa Quality: Root Cause Analysis
- Staubli: Maintenance TS, TX/SC8C Level 1
- Mitsubishi Robot Advanced Training 1: Robot Setup and Safety
- Festo Pneumatic: P111/EP211 - Fundamentals of Pneumatic and Electro Pneumatic
- Cognex Corporation: Checker Vision Sensors
- Sick, inc. - Inspector I40 Vision Sensor
- IPC-7711/IPC-7721 Rework and Repair of Electronic Assemblies

Courses

Courses

- Lean & Six Sigma - Green Belt
- Beckhoff - TwinCat2, TwinCat3, System Manager, PLC Control
- Apollo Seiko - Automated Soldering Process
- SICK 3D Visual System (IVC 3D)
- Practical Seminar - 5 Why?
- 8D Report
- Festo Servo motors
- Root Cause Analysis
- Total Productive Maintenance