

Gjorgji Kaloshev

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Profile

PLC Engineer, with experience in mechanical and industrial engineering. Currently employed with Johnson Matthey, as a PLC engineer, for their Emission Control Technology factory in Skopje. Previously employed as a Project engineer, within the same company, in the maintenance department, working on projects such as replacement of HVAC equipment in the factory, reactors replacements and generating monthly reports for downtime and energy consumption at the factory.

- Working with Allan Bradley PLC software and Wonderware factoriesuite platform
- Maintaining hardware and software on 6-axis Yaskawa Robots
- Monitoring and maintaining the automation equipment at the factory
- Strong experience in industrial engineering
- Responsible for laser barcode printing and in-sight cognex camera verification

Key Skills

- Strongly developed organizational skills, resulting from confrontation with multiple tasks and problems at the same time. Organizing multiple contractors on HVAC project and daily monitoring and inspecting tasks on different projects.
- Time and people management skills.
- Positive person with a can-do attitude.
- Commitment to providing the highest possible standards of customer service and support.
- Flexible team player who prospers in a fast-paced work environment based on past experience.
- Well developed skills in prioritizing, organization, decision making, time management and verbal/written communication.

Education

- Bachelor of Sciences in Mechanical Engineering (Automation and Fluid Engineering) at Ss Cyril and Methodius University in Skopje, Rep. of Macedonia.
- Diploma from software academy as a full stack web developer, experience with:
 - Front-End development
 - HTML
 - CSS
 - JavaScript, JQuery , TypeScript.
 - Back-End development
 - Node.js , express
 - Server
 - MySql and MongoDB
- Diploma from the State Secondary School of electronics in the field "Electricity technician for computing equipment and automation" in Skopje, Rep of Macedonia.

Qualifications/ Trainings

- Wonderware application server 2017 and Intouch HMI by AVEVA
- Advanced Training design and installation of industrial pipelines by Georg Fischer
- Advanced training services & Project support by Georg Fischer
- Chlorine emergency response course by Stephen Roberts Safety Training Ltd
- Coding for beginners course by International Open Academy
- Mechanical seals basic level specific training by MHP seal engineering group
- Coding with Python for Beginners by Code Academy
- Advanced Project Management by Pete Millett
- Working at height and confined space awareness
- Control of contractors and Permit to work system.
- Breathing apparatus and how to use them.
- Asset care in the factory.
- Chlorine Shed Operation and working with PPE
- Electric Pallet Truck and manual pallet truck
- Issuing spare parts with scanner from the warehouse
- Returning spare parts with scanner from the warehouse
- Production line breaking procedure and safety circuit breaking on the production lines
- Training about and how to use ULTRAPROBE 10000Air loss detection
- Training for KAIZEN (General)
- Charging ammonia on tank farm and using PPE
- Fire awareness and extinguishing
- Communication skills certificate
- Presentation skills certificate
- TPM - Autonomous Maintenance Training

Career History

Sept 17 - present [Johnson Matthey](#) , PLC Engineer in Automation department

- Monitoring and maintaining the automation equipment at the factory.
- Working with Allen Bradley PLC software, Wonderware factorysuite and SCADA.
- Responsible for laser barcode printing and in-sight cognex camera verification.
- Maintaining of the hardware and software on Yaskawa 6-axis robots.

Sept 16 – Aug 17 [Johnson Matthey](#) , Project Engineer in Maintenance department

- Working on projects for the maintenance department
- Generating monthly reports for downtime and energy consumption at the factory.
- Development of new projects, leading and inspecting contractors work.
- Opening and closing work and safety permits , Lock Out Tag Out , near miss reports , safety audits and maintenance audits.

Key Projects

- HVAC Replacement (AHU with RTU) – Project Coordinator
 - Capex project that required replacement of all air handling units. More than 20 contractors were daily on the site working on dismantling and mounting on the units. New pipelines for natural gas were installed. Commission of the work and approval when the project was finished.
- PGM hazardous Glove box reparation – Project Owner
 - Protective glass and protective rubber gloves were replaced with new. New extract for scrub was design and implemented.
- Values Recovery tank(Reactor) replacement – Project Owner

Aug 15 – Sept 16 [Johnson Matthey](#) , Mechanical Technician in Maintenance department

- A U]bHJ]b['h\Y 'ZUWfc fmUbX 'dfcXi Wh]cb''bYgYei]da Ybh'
-)GgJZYhmWkYW\]gřdfYj Ybhj] Y'UbX 'dfcHrWhj] Y'a YUg] fYgZcfZfY!gUh]cb'di a d'gmgY a ž [YbYfUhc fZfcVc hç\chik UHf'Vc]YfgžgYUa 'Vc]Yfz'Wk]`Yfg'UbX'U]f'\UbX`b['i b]hg'
- FYdU]f]b['\nXfUi]WUbX'dbYi a Uh]WYei]da Ybh''

Feb 15 – Aug 15 [Johnson Matthey](#) , Junior Mechanical Technician in Maintenance department

- A U]bHJ]b['h\Y dfcXi Wh]cb''bYgYei]da Ybh'

Jun 14 - Sept 14

Jun 12 - Sept 12 [Montauk Yacht Club and Marina](#), Work and Travel program

- Worked as part of the 'Engineering and maintenance' department.
- Also as a part time job i worked as a part of the "Food and beverage" department.

Oct 13 - Jan 14

Private hospital "Re-Medika", Internship program

- Working in the technical logistics department and service the equipment in the hospital, observing and learning how HVAC and cooling equipment works.
- Turning on the heating in the whole hospital.
- Working with pressure vessels liquid oxygen, CO2, N2O, observation while changing the UPS battery in operation room and during servicing, installation and turning on the machine for cutting tissue using a laser.

Computer skills

- Excellent knowledge of PLC, SCADA and Wonderware factory suite.
- Experience working with in-sight camera software, QuickScript.NET , HTML, CSS and JavaScript, Nodejs , Wordpress, MySql and No Sql DB .
- Excellent knowledge of Microsoft Office (Word, Excel, Power point)
- Excellent knowledge of software packages AutoCAD, AutoCAD Mechanical
- Excellent knowledge of software packages SolidWorks
- Basic knowledge of graphic design applications Adobe Photoshop, Dreamweaver
- Experience working in these programs Word Press, Microsoft Access, Microsoft Project, PipeFlow , Fluent CFD , CFturbo, Math works MatLab

Projects

- June 2017 ➤ **HVAC Replacement (AHU with RTU) – Project Coordinator**

Capex project that required replacement of all air handling units. More than 20 contractors were daily on the site working on dismantling and mounting on the units. New pipe lines for natural gas were installed. Commission of the work and approval when the project was finished.
- April 2017 ➤ **PGM hazardous Glove box reparation – Project Owner**

Protective glass and protective rubber gloves were replaced with new. New extract for scrub were design and implemented.
- January 2017 ➤ **Inspection and replacement of junction boxes inside the Electrical Manhole**
- January 2017 ➤ **New Maintenance Storage Area (Warehouse)**

Daily opening of work permits for contractors and reporting of the finished tasks to the affected parties.
- October 2016 ➤ **Values Recovery tank(Reactor) replacement**
- October 2016 ➤ **Installation of button for draining Hoppers on production line 3&4**
- September 2016 ➤ **Installation on grease nipples on medium and big tanks in Washcoat area**
- September 2015 ➤ **Subject - Programmable logical controllers**

Simulation of tool for testing pneumatic components with PLC.
- June 2015 ➤ **Regulation of Hydraulic Machines**

Analysis of models for management of hydropower plants. Working in SCILab software, schematic representation of the entire system in SciLab and making comparison between non-linear PID TM with surge tank and nonlinear PID TM without surge tank.
- November 2014 ➤ **Projecting of pumps and pumping stations**

Types and separation of pumping aggregates by purpose and types of construction stages in the project of turbo pump, construction of the pump impeller and pump unit. Design of pump station with full calculation.
- February, 2014 ➤ **Design of robotic systems**

Designing local servo robots, management and design of decentralized management of simulated movement of joints robotic system.
- May, 2012 ➤ **Fundamentals of Engineering Design and CAD**

Modelling of parts modeling framework, the analysis of assemblies, fully drawing clutch and designations of the parts, working with Solidworks.
- April, 2011 ➤ **Mechanical elements in the energy field**

Calculation of friction transmitters calculation of single-Gear (reducer). Project development, detailed drawing and calculation of all sizes and values.
- November 2010 ➤ **Mechanical elements 1**

Calculation of threaded connections and transmitters. Calculation, shaping the shaft and a selection of tolerances and calculation and selection of clip.
- December 2009 ➤ **Engineering Graphics**

AutoCAD drawings:
- August, 2009 ➤ **Practical instruction**

Draw the mechanical elements in the software package AutoCAD and AutoCAD mechanical

Making and designing WEB site for microprocessors