

Ing.MAREK HORVATH



OBJECTIVE: To secure the **Technical Director and CTO** position where I may utilize all my skills, knowledge and experience.

PROFESSIONAL ASSOCIATIONS

February 2022 - recent

OLO a.s. – Director for the Strategy and the Project Management

OLO a.s., Bratislava, Slovak Republic

OLO is a municipal enterprise established by the City of Bratislava more than 30 years ago. The company's mission is to process the various types of waste and provide quality services of the collection and removal of municipal and small construction waste.

OLO is also in charge of the operation of Waste to Energy Plant that processes apx 130 000 tons of the waste a year. The most modern technology allows to produce electricity and heat as a form of the green energy transformation.

- Develop a strategy and planning for the digital transformation of the company to meet the advanced financial, operational and logistical goals established by the City of Bratislava as a sole shareholder.
- Research, establish and coordinate the activities related to the major infrastructure projects to allow the company to transform into a major regional supplier of the green energy.
- Leading the effort to create a strong foundation during the process of the public procurement (est. 10M EUR) related to the Construction Manager of the Modernization of the Waste to Energy Plant. This is the Phase 1 of one of the largest infrastructure project within the portfolio of the City of Bratislava leading the to the Phase 2 of the project (est. 150M EUR) to build the modernized WtE plant with the total capacity of the 180 000 tons of waste per year.
- Participating in the work group to select the most advanced solution for the principal design of the Plant for the biowaste processing (est. 20M EUR) as a continuing part of major city-lead project for the separation and collection of the green biowaste.
- Create the project specification for the company's first advanced digitalization project for the waste collection and planning. The digital solution includes the IaaS and PaaS frameworks to meet the critical requirements for the day-to-day operations of the fleet of 120 collection trucks along with the operational demands for the optimization of the waste collection and routes planning.
- Lead the effort to transform the internal financial systems into the modern interconnected platform where the important intra-company systems are exchanging the data in a fully automated matter. This platform becomes the principal source of the data further used for the executive and non-executive analytics and reporting.

Sept 2014 – December 2021

Facilities and Services – Manager IT, Projects and Operational Development

University of Toronto, Toronto, Canada

The University of Toronto is a public research university in Toronto, Ontario, Canada, located on the grounds that surround Queen's Park. It was founded by royal charter in 1827 as King's College, the first institution of higher learning in Upper Canada.

The University of Toronto offers over 700 undergraduate and 200 graduate programs. In all major rankings, the university consistently ranks in the top ten public universities in the world and as the top university in the country. It receives the most annual scientific research funding and endowment of any Canadian university and is one of two members of the Association of American Universities outside the United States.

Facilities and Services team is involved in the University's sustainability strategy and efforts. F&S is updating the utility infrastructure and building efficiency to support the St. George campus's goal of reducing absolute emissions and becoming climate positive by 2050.

- Principal technical lead for the major energy retrofit and monitoring system (Energy Portal) for more than 100 buildings on Campus with the .NET framework and more than 1000 metering sources with the integration between Energy Portal and SAP to collect the events and the energy process values statistics.
- Facilitating the engineering design and execution related to the major energy retrofit projects at Central Steam Plant and 3 main chiller plants along with the major retrofits of the research labs as part of the governmental initiative for the GGRP (Greenhouse Gas Retrofit Program).
- Designing, deploying and maintaining the core components of the DDC controls for the centralized Energy Management and Reporting system that is used for the Real-Time monitoring of the 127 buildings with more than 2000 DDC controllers and over 90000 process values to accommodate the Low-Carbon Action Plan.
- Designing the process maps for the entire structure at Facilities and Services department to improve the internal processes and business flow
- Principal business and technical lead for the major implementation of the SAP S4/HANA Service Orders, Preventive Maintenance and Asset Management project.
- Maintaining the SAP HRIS, FIS and the Customer Service modules for S4/HANA to accommodate the integration with the 3rd party software for various daily activities.
- Leading the custom software development for the user specific ODATA webservices and the custom APIs to the 3rd party applications like Redpen (Service Orders), Timekeeper (Labor Records, Absences) and Asbestos Data (Health and Safety).
- Developing and deploying the SharePoint sites for various groups.
- Leading the team of the software developers (internal and external) to implement the general PowerApps including development, testing, training and the production roll out.
- Coordination and supervision of the complex tasks to establish the design and functional specifications for the integration between Microsoft Stack Technologies and SAP S4/HANA

May 2012 – Sept 2014

Integration Project Engineer

HONEYWELL Ltd., Toronto, Canada

Honeywell is a diversified technology and manufacturing leader of aerospace products and services; control technologies for buildings, homes and industry; automotive products; power generation systems; specialty chemicals; fibres; plastics and advanced materials.

Based in Morris Township, N.J., Honeywell employs approximately 100,000 people in 95 countries. Its shares are traded on the New York Stock Exchange under the symbol HON, as well as on the London, Chicago and Pacific Stock Exchanges. It is one of the 30 stocks that make up the Dow Jones Industrial Average and is also a component of the Standard & Poor's 500 Index.

- Intelligent LEED Building Systems architect for the Private Public Partnership projects in Canada for the critical building infrastructure components like Access Control, Video Management, Real Time Location Services, Intrusion Detection and HVAC.
- Coordinating the construction activities between various integration partners to consolidate the effort in order to meet PSOS requirements.
- As a Enterprise Building Integrator (EBI) champion for Central and East Canada, provide an extensive technical on-site support for field engineers.
- Sales Support Consulting tasks to assist the company's sales team with the engineering proposals
- Supervising the team of the software developers both external and internal and maintaining the defined backlog schedules.
- Participating and deploying Six Sigma and Green Belt Process Improvements within the Honeywell Engineering Center

October 2008 - May 2012

Regional Support Engineer

HONEYWELL Ltd., Toronto, Canada

- As a Enterprise Building Integrator (EBI) champion for Central and East Canada, provide an extensive technical on-site support for field engineers.
- Sales Support Consulting tasks to assist the company's sales team with the engineering proposals
- Provide On Site Emergency Assistance on the critical assignments
- Engage in the proactive engineering services to develop the strategies for the short and long term life cycle management of various hardware and software components
- Cooperate with the Level 2 and Level 3 Technical Assistance Support teams.

April 2002 - October 2008

Senior Control System Engineer

HONEYWELL Ltd., Toronto, Canada

- Create project engineering baseline. Solidify scope by obtaining job information from influential people such as architects, general contractors,

consultants and customers. Clearly define customer requirements prior to starting engineering

- Software design and programming of the LON stand-alone controllers and Tridium Niagara JACE controllers.
- Provide engineering for Honeywell Validation Team responsible for installation of HVAC and industrial systems in pharmaceutical industry in New Jersey, US to meet customer's requirements in accordance with Food and Drug Administration (FDA) Good Manufacturing Practises (GMP) and Good Validation Practises (GVP).
- Active participation in Design Qualification Protocol Development and Installation Qualification Protocol Development to comply with 21 CFR Part 11.
- Cooperate with customer's consultants to execute the Validation Tests, proceed with on-fly documentation corrections and executing of the discrepancy reports to meet the strict criteria of the FDA Validation processes.
- Installation and commissioning of large Building Automation Systems by utilizing the Open Systems Protocols and the specific software tools and frameworks like Enterprise Building Integrator (Honeywell), Metasys (Johnson Controls) and Niagara Framework (Tridium).

EDUCATION

- 1989-1993 Engineering (Ing.),
Slovak Technical University Bratislava,
Department of Automation and Control Systems
Major: Technical Cybernetics and Robotics
- 2005 Six Sigma Green Belt Certification
- 2007 Good Manufacturing Practises Certification (GMP)

COMPUTER SKILLS:

Microsoft Stack Technology Framework
Office 365
PowerApps
PowerBI

Virtualization, Cloud Computing, ERP:
VM Ware, Amazon AWS, SAP

REFERENCES:

1. University of Toronto, Facilities and Services
 - a. Supervisor: Darrel Fernandopulle, Director, Financial Services
 - i. Email: [darrel.fernandopulle \[at\]utoronto.ca](mailto:darrel.fernandopulle@utoronto.ca)
 - ii. Phone: +1 416-978-6858
 - b. Colleague: John Walker, Mechanical Operations Manager, North Area
 - i. Email: [john.walker\[at\]utoronto.ca](mailto:john.walker@utoronto.ca)
 - ii. Phone: +1 416-978-5064
 - c. Subordinate: Neso Marusic, Senior Software Designer
 - i. Email: [nebojsa.marusic\[at\]utoronto.ca](mailto:nebojsa.marusic@utoronto.ca)
 - ii. Phone: +1 416-678-6555
2. OLO a.s. Bratislava
 - a. Supervisor: Ivan Sokáč, CEO
 - i. Email: [sokac\[at\]olo.sk](mailto:sokac@olo.sk)
 - ii. Phone: +421 905-373-775
 - b. Colleague: Marián Hudeček, Director, Human Resources
 - i. Email: [hudecek\[at\]olo.sk](mailto:hudecek@olo.sk)
 - ii. Phone: +421 940-994-4514
 - c. Subordinate: Marek Fedorco, Manager IT
 - i. Email: [fedorco\[at\]olo.sk](mailto:fedorco@olo.sk)
 - ii. Phone: +421 903-767-424
3. Honeywell Canada
 - a. Supervisor: Phil Chow, Regional Technical Director
 - i. Email: [phil.chow\[at\]honeywell.com](mailto:phil.chow@honeywell.com)
 - ii. Phone:
 - b. Colleague: Zoran Djurevski, Senior Integration Manager
 - i. Email: [Zoran.djurevski\[at\]honeywell.com](mailto:Zoran.djurevski@honeywell.com)
 - ii. Phone: +1 647-326-2503
 - c. Subordinate: Anton Varechovsky, Technician HVAC
 - i. Email: [anton.varechovsky\[at\]honeywell.com](mailto:anton.varechovsky@honeywell.com)
 - ii. Phone: +1 416-759-7570