

Contact

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Top Skills

Corn
Biotechnology Industry
Meteorology

Languages

English (Professional Working)
Hungarian (Native or Bilingual)

Certifications

Microsoft excel
Six Sigma Fundamentals
Machine Learning Introduction
Plant Protection
Negotiation Techniques for
Cooperation and Development

Honors-Awards

National Renewable Energy Study
Writing Contest
Rapid recognition
Biological Research Student Camp
Top Performance Award 2021

Publications

Solar Pump Adaptability In
Agricultural Sector

Balint Sule

Third-generation Agriculturist
Greater Győr Area

Summary

I have embraced the fusion of technology and sustainable agriculture to offer cutting-edge solutions. My leadership in weather monitoring, forecast modeling, and IoT applications has significantly enhanced decision-making for farmers, landowners, and researchers. Our team's commitment to optimizing irrigation and pest control aligns with my passion for sustainable water management and plant protection.

Through strategic project planning, we have pioneered advancements in agricultural efficiency, leading to increased yields and reduced waste. My expertise in disease modeling, coupled with a strong foundation in irrigation management, empowers our clientele to thrive in a competitive and environmentally conscious market. As we continue to innovate, my focus remains steadfast on sustainability and the responsible stewardship of our resources.

Experience

Preferred by Nature
Consultant
June 2024 - Present (6 months)
Hungary

Nestlé Purina has invested in a Landscape Enterprise Network in the Western Transdanubia region, with the support of 3Keel and Preferred by Nature. French organization, Biopsheres, an agribusiness company, Syngenta Hungary, have teamed up to explore and test innovative agronomic and environmental practices at farm level. Biospheres designs and implements the trials, while Syngenta Hungary provides on-farm support and monitors the outcomes. LENs Hungary is supported by the Hungarian Ministry of Agriculture, with technical advice on harmonization of measures with agricultural practices

Nelson Irrigation Corporation

Promotions Specialist

June 2024 - Present (6 months)

Walla Walla, Washington, United States

My responsibilities include the expansion of the domestic irrigation sector, which I undertake utilising professional expertise. The efficacy of Nelson Irrigation USA products is evidenced by their superior performance in terms of infiltration, wind resistance, throwing radius, and emerging irrigation.

We would also like to extend an invitation to collaborate with you in Hungary.

Agrokos Kft.

Crop Protection Consultant

June 2024 - Present (6 months)

Hungary

Széchenyi István Egyetem

Guest Speaker

April 2022 - Present (2 years 8 months)

Mosonmagyaróvár, Győr-Moson-Sopron, Hungary

Irrigation management lectures for interested students.

Magyar Agrár- és Élettudományi Egyetem (MATE)

Guest Speaker

March 2022 - June 2024 (2 years 4 months)

Gödöllő, Pest, Hungary

State of the art disease modelling and predictions for interested students.

METOS® Hungary by Pessl Instruments

Country Manager

February 2022 - June 2024 (2 years 5 months)

Our solutions for agriculture help farmers and landowners to improve the quality of their crop, increase yield and reduce waste, through weather monitoring and forecast modelling, disease modelling, pest monitoring, irrigation optimisation, soil pH and nutrient analysis, work scheduling, vehicle tracking and more.

Our monitoring stations and sensors connect to other smart farming applications, creating an Internet of Things (IoT) networked solution that improves overall decision-making.

For researchers and scientists, including those working in hydrology, meteorology and environmental protection, our tools help to remotely monitor climatic and soil conditions, and water levels, providing instant access to data collected.

Data from stations is delivered 24 hours a day to our online platform, which is available on mobile and desktop, enabling decision making in an instant.

FAO

International Consultant

September 2023 - November 2023 (3 months)

Azerbaijan

Sharing irrigation management, orchards management, and disease modelling with Azerbaijan Agricultural Institution for Fruit and Tea Growing, and Institution for Water Management.

Bayer

Seed Production Agronomist (Corn)

August 2017 - February 2022 (4 years 7 months)

Hungary

In my role as seed production agronomist, I am responsible for the production and harvesting of corn for Bayer. This role also requires me to be accountable for ensuring that there are isolations in addition to any transplanting of plants and seeds taking place appropriately. I keep an eye on any insect issues and watch for any disease and if necessary, take appropriate action by following company best practice.

Management and supervision of outside labour crews to ensure that all tasks are attended to on time and that all labour is efficient for minimal cost. Safety also falls under my remit to ensure it's a safe environment for working. I also produce reports on sprays, crops, pests and safety.

My more recent achievements include:

- ✓ Responsible for Irrigation management in the Hungary locations. Via remote sensing based program.
- ✓ Took part of Variable Rate Planting implementation to Hungary based on soil scanning.

✓ Nominated for rapid recognition in 2018 for the achievement of good irrigation management, which helped reach the best yield (ESU) for Bayer Hungary at EU level.

Komarom Agricultural Ltd.

Irrigation Agronomist

April 2015 - August 2017 (2 years 5 months)

Komarom

Responsible for the irrigation of 3000 acres which included the management, control and maintenance of 14 Lindsay Zimmatic Centre Pivots (GPS guided with corner), 2 lateral and 7 Bauer hose reels plus overseeing 3 workers.

In addition, I oversaw maintenance management and slurry irrigation. My mission was to enhance the efficiency of water use through soil probe-based irrigation. I also generated scientific irrigation of field climate program and introduced low-cost NDVI monitoring.

I was given the award for 'Yield of the Year' by Bayer for my record making output.

Research Center For Agrobiodiversity

Head of Department - Agronomist Arable; R&D Trials

October 2012 - March 2015 (2 years 6 months)

Tapioszele

During my time in this role, I won the award for 'Excellent Work' in 2014.

This role allowed me to grow my skills in agronomy by providing a range of responsibilities that were new to me. My job involved recording and reporting results, securing sites, prepping and application of inputs in the field, monitoring and recording the outcome of experiments.

My role involved:

- Organising sowing, plant care and harvest of 400 acres – this included pest control.
- Boosted efficiency of nine workers with restructured mechanisation.
- Established pesticide warehouse, and hazardous waste storage.
- Identified and forged new sales channels.
- Formalised solar pump powered irrigation of orchard project.
- Engineered and constructed the institute's irrigation.

- Revitalised seed dressing with micronutrient coat.
- I also took part in EAFRD gene reservation using project management skills.

HM ARMCOM ZRt.

Environmental Engineer

January 2012 - October 2012 (10 months)

Godollo

My time at the Ministry of Defence was a time of excellent personal development for me including the establishment of outstanding self-discipline.

My work included:

- Work habits formed under strong military leadership.
- Co-ordinated environmental input to pioneering reports, project registers and preparation of the ES and associated documents.
- Presented data in the form of written or graphic reports.
- Gave advice to senior management about environmental matters related to the company's work.
- Promoted public environmental awareness and education.

I also Co-ordinated environmental input to create optioneering reports, project registers and preparation of the ES and associated documents.

Zoltan Kovacs, Jozsef Engelhardt Ag. Entrepreneurs

Watermelon and Pepper Picker

May 2000 - July 2006 (6 years 3 months)

Medgyesegyhaza

As one of my first jobs in agriculture, this role set me up with the foundation of much of my future success.

- Earned practical horticulture knowledge.
- Explored drip irrigation assembly, and fertigation.
- Functioned well with little to no supervision or as a member of a professional greenhouse plant care team.

Education

Széchenyi István Egyetem

Doctor of Philosophy - PhD, Sustainable Water Management - HABERLANDT
GOTTLIEB PLAN SCIENCE PROGRAM · (September 2023 - June 2027)

Széchenyi István Egyetem

Msc. Plant Protection , Plant Pathology/Phytopathology · (October 2021 - June 2023)

University of Debrecen Official

Msc, Environmental Technology Engineering · (2009 - 2011)

University of Debrecen Official

Specialist degree, Environmental Planning and Management · (2009 - 2011)

Universit de Genève

Coursework, Ecosystem Services: A Method for Sustainable Development · (February 2021 - March 2021)