



Karel Hanak

Digital & Process Engineer



About me

My name is Karel Hanak, and I am a trained biotechnologist with a strong background in bio- and process technology, characterized by excellent interpersonal skills and an interest in optimization and efficiency. For more information, please visit my [website](#).



Experience

2023 - present

Digital Process Engineer at VTU Engineering

- Responsible engineer for the further development of database and software in close collaboration with Siemens (COMOS), as well as for internal coordination of update and feature implementations
- Enhancement identification and requirement specification for software and database improvements
- Improvement of workflows and enhancement of efficiency in projects in close coordination with all stakeholders
- Development and supervision of standards, typicals, workflows, and specifications
- Organization and leading of four fixed meetings, workshops, and responsible for internal trainings
- Further development and implementation of operational standards and workflows in process planning, including the definition of respective interfaces

2021 - 2023

Process engineer at Vogelbusch Biopharma

- Concept-, Basic- and Detailengineering including COMOS-environment
- Design of pharmaceutical plant components including definition and specification of requirements, and creation as well as approval of technical documentation (i.e. PnID, GMP documentation like OQ)
- plant optimization and troubleshooting on-site in running production for international customers
- creation, approval and improvement of functional specification and automation
- 15+ months as responsible process engineer for FAT and commissioning, including IQ / OQ and GMP-documentation of pharmaceutical plants

2018 - 2020

Technician at Austrian Institute of Technology

- Method development, establishment and optimization



Education

2015 - 2020

Biotechnology

Postgraduate Studies at University of Life Sciences (BOKU) Vienna
Dipl.-Ing. (equivalent to MSc) passed with distinction
Master Thesis in epigenetics with focus on method development and optimization

2011 - 2015

Food- and Biotechnology

Undergraduate Studies at University of Life Sciences (BOKU) Vienna
Bachelor Thesis in antibody engineering with focus on molecular biology



Extracurricular activities

- Head of Office for Educational Policies, elected representative of the student body
- Awarded with scholarships for the European Forum Alpbach in 2019 and 2020 and active as seminar assistant in 2021
- Additional qualifications in data security, presentation techniques and applied economy as well as COMOS platform and PnID certifications

contact



Vienna



Upon request



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<https://www.karelsanak.net>



www.linkedin.com/in/karel-hanak-kh

programming

R

Python

HTML

language skills



German



Czech



English

interests

