Ing. Jan Hereš

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Education

MSc. in Software Engineering   **09/2022 - 06/2024**

West Bohemian University, Faculty of Applied Sciences   *Pilsen, CZ*

- **Master's Thesis:** Reconstruction of a patient-specific surface model of the humerus bone in collaboration with Eva C. Herbst, Ph.D. (ETH Zürich)

BSc. in Computer Science   **09/2019 - 08/2022**

West Bohemian University, Faculty of Applied Sciences   *Pilsen, CZ*

- **Bachelor's Thesis:** Integration of muscle decomposition software into the Blender application in collaboration with Eva C. Herbst, Ph.D. (ETH Zürich)

Experience

Freelancer Software Engineer   **05/2025 - ongoing**

janheres.eu   *Hybrid*

- Development support for previous projects (UBK s.r.o)
- Lead developer of integration between multiple ERP and invoice processing systems (UBK s.r.o)
- One of the lead developers of paid printing kiosks with server-based configuration and monitoring (UBK s.r.o)
- Used technologies: Java, JavaFX, Spring, Hibernate, Wildfly, Vaadin, Maven, MariaDB, Gitlab CI/CD, Docker

Java Software Developer   **10/2022 - 04/2025**

UBK, spol. s r.o.   *Pilsen, CZ*

- One of the lead developers on a backend for Sicher24 which communicates with other services to provide a custom solution to warehouse management and effective order shipping
- One of the lead developer of embedded Java application for custom beverage machines
- Used technologies: Java, JavaFX, Spring, Hibernate, Wildfly, Vaadin, Maven, MySQL, MariaDB, Gitlab CI/CD, Docker

IT technician   **07/2022 - 09/2022**

Enaspol, a.s.   *Rtyně nad Bílinou, CZ*

- Company's network management, managing network nodes that control automatization hardware
- Management of the company's devices - notebooks, PCs, ...

IT technician   **12/2020 - 12/2021**

DYSK, spol. s r.o.   *Most, CZ*

- Company's network management - user management, management of additional network devices, APs, ...
- PC and notebook management - preparation for the user, OS and SW installation, basic setup process

Public Relations Manager, Script Writer   **02/2018 - ongoing**

Milanfon Media   *Remote*

- Communication with local and international partners (AMD, ACER, MSI, NVIDIA, ...)
- Negotiation and preparation of different opportunities and projects
- Scriptwriting and peer reviewing

Personal Projects

For projects, please refer to my website (https://janheres.eu/projects)

Technical Skills

Operating Systems: Windows XP and newer, Linux (various distributions), macOS Catalina and newer

Programming languages: C (intermediate), C# (basic), C++ (intermediate), Java (advanced), Kotlin (basic), Python (intermediate), LaTeX(intermediate), PHP (basic), JavaScript (basic), Lua (basic), Bash (basic), SQL (intermediate), Rust (basic), Swift (basic)

Database systems: MySQL, SQLite, MariaDB, MongoDB, Oracle Database 10g

Development platforms: Android, iOS, Windows, Linux (x86 and ARM)

Development environments (IDEs): Neovim (primary), VS Code, Visual Studio 2017+, IntelliJ Idea, BlueJ, Eclipse

Technologies/Frameworks: Vaadin, Laravel, Docker, Git, Maven, Gitlab CI/CD, GitHub CI/CD, Unity (basic), .NET (basic), React Native (basic), AWS Stack

Languages

Czech (native), English (C1 level)

Interests

Cars, car industry and car communities, Formula 1, medicine and medical research, self education and self improvement, investing, electronics, hardware, squash (sport), workouts, IT, DIY