# Žan Pušenjak

zan@infdata.com
zan.pusenjak.info | Zan-Infdata
Ljubljana, Slovenia

## Work Experience

- **Infdata d.o.o. [🌐]** *2022 - present*
  *Systems Development and Design* Ljubljana, Slovenia
  - Assisted in developing `Rgnpr :: Real Estate Register`. The system was developed for property monitoring and inspection. In collaboration with METROPOLITANA d.o.o.
  - Developed `PePrX`, a system that digitizes the monitoring of cleaning and repair processes for protective equipment used by fire brigades across Slovenia. Used by Mehurček d.o.o., a cleaning service.
  - Developed the `PultAPP` mobile application for tracking completed work.

- **Ministry of Defence [🌐]** *March 2024 - June 2024*
  *Voluntary Military Service* Bohinjska Bela, Slovenia
  - Completed all phases of Basic Military Training (TVSU) at the Boštjan Kekec Barracks in Bohinjska Bela.
  - Received the `Best Performance` award in the Bohinjska Bela training unit of the 90th TVSU generation.

- **Domovina d.o.o. [🌐]** *2024 - present*
  *IT Support and Development* Ljubljana, Slovenia
  - Provided IT support and managed the systems and tools used within the company.
  - Developed and maintained the portal and subscription system.

- **Skillifai d.o.o. [🌐]** *2025 - present*
  *Workshop and Lecture Delivery* Ljubljana, Slovenia
  - Delivered workshops and lectures on Artificial Intelligence, both independently and as part of a team.
  - Assisted in planning and preparing content for workshops, lectures, and other projects.

## Education

- **University of Ljubljana, Faculty of Computer and Information Science** *2024 - expected 2027*
  *Master's Degree in Computer and Data Science* Ljubljana, Slovenia
  - Current grade average: 8.6/10

- **University of Ljubljana, Faculty of Computer and Information Science** *2020-2024*
  *Bachelor's Degree in Computer and Information Science (University Programme)* Ljubljana, Slovenia
  - Grade average: 8.23/10

- **Gimnazija Vič** *2016 - 2020*
  *General Upper Secondary School Graduate* Ljubljana, Slovenia
  - General Matura score: 28

## Projects

- **EditEase** *2024*
  *Simple Content Management System* [🌐]
  - Developed a simple CMS that can be easily integrated into any project.
  - Developed the backend subscription and payment system using the Stripe payment provider
  - Independently completed the entire project

- **Pawsy** *2025 - present*
  *Platform for Dog Owners* [🌐]
  - Developed a platform connecting dog owners with dog sitters and dog walkers.
  - Developer and systems architect on the startup team.

- **Shapeshifter** *2024 - present*
  *System for Placing Promotional Product Models in Virtual Environments* [🌐]

◦ Continued development of a system originally created as part of my bachelor's thesis.
◦ The system enables the use of three-dimensional product models in virtual environments.

- **Matchmaking** *in development*
  *Job Search Platform*
  ◦ Developed a platform to support recruitment agency operations.
  ◦ Improved the Moje Delo platform.
  ◦ Project within Youth Bussines Group Slovenia

- **Equipment Tracking System** *in development*
  *System for Tracking Equipment Status* [🌐]
  ◦ Developed an application for tracking equipment use and location. In collaboration with ART TEHNIKA d.o.o.

- **ThirstTally** *2023*
  *Mobile Application*
  ◦ Developed a web application for tracking the amount of drinks consumed.
  ◦ The application enables real-time tracking of results through socket connections.
  ◦ Independently completed the entire project. Published the application on the Play Store.

- **DailyInsights** *2024*
  *AI* [🌐]
  ◦ Developed an agent that collects current news and turns it into short videos. Includes reading, transcription, and video creation.

- **Other Projects** *2020 - present*
  *Prototypes, occasional applications...* [GitHub]
  ◦ Developed smaller projects published on my GitHub profile. For security reasons, some projects are private or held in private GitHub organizations. I am happy to grant access to interested parties for review.

## PUBLICATIONS

C=CONFERENCE, J=JOURNAL, P=PATENT, S=IN SUBMISSION, T=THESIS

**[T.1]** PUŠENJAK Žan (2024). **System for placing models of promotional goods in virtual environments**. *[online] Bachelor's thesis*

## HACKATHONS

- **Dragonhack 2025** *2025*
  *AI agent* [GitHub]
  ◦ Developed an agent to assist with grocery shopping. The agent searches current catalogues and store offers, then adds each product to the shopping cart at the store offering the lowest price.

- **Arnes HackatON 2026** *2026*
  *Sinji Delfin* [GitHub]
  ◦ Developed a RAG system for public administration using a local LLM and a local RAG system. An access control layer supports multiple permission levels, allowing users to access RAG documents only if they have the required permissions.
  ◦ Received the "Popular vote" award

- **DragonHack 2026** *2026*
  *Trigger Royale* [GitHub]
  ◦ Developed a machine vision pipeline for person re-identification system used as a virtual laser tag requiring only a mobile device with a camera in order to play. Connected the entire system into an mobile app and a game lobby socket server.
  ◦ Received an award for winning the "Most inovative hack" challenge by Guardiaris
  ◦ Received the "Popular vote" award
  ◦ Received the "2nd place" award

- **Inovative Allnighter 2026** *2026*
  *Product Arena*
  ◦ Developed a deep learning solution for product discovery. Used multimodal vector representations of images and text to identify potentially successful products by comparing them with products that had been successful in the past.

## Skills

- **Programming Languages:** JavaScript, Java, Dart, Python, PHP, R, STAN, C#
- **DB:** MySQL, Postgres
- **Machine Learning and Data Science:** PyTorch, Sckit Learn, Pentaho BI
- **Servers and Version Control:** Apache2, Git, Docker
- **Frameworks and Tools:** Next.js, Laravel, Flutter, Unity, Express

## Entrepreneurship

**Pawsy Stays d.o.o.** [🌐] *2026 - present*
*Co-founder*
Platform connecting dog owners with dog sitters and dog walkers.

## Volunteering

- **Summer School Leader** *August 2025 and 2026*
  *Rotaract LJ 25* [🌐]
  - Organized and ran the entire "Pot do Uspeha!" summer school
  - Led the team responsible for delivery, programme, and logistics
- **Scout Troop Leader** *2020 - 2023*
  *ZSKSS* [🌐]
  - Planned and ran meetings
  - Led the summer camp and delivered its programme

## Additional Skills

**Foreign Languages:** English (B2), German (A2)